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SHALL I ADVERTISE MY PURE BRED?—J. C. CLIPP

SEPTEMBER, 1908

THE INDUSTRIOUS HEN

ONE YEAR 50c.—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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COMPANY
Knoxville Tenn.



DOES THE CHICKEN BUSINESS PAY?—W. C. MCKEMY

GLENVIEW ORPINGTONS

» S. C. BUFFS EXCLUSIVELY «

My breeding pens this year will include such birds as 1st cock, Indianapolis, '07. All my winners at Richmond, '08. Only place shown this season. Send for mating card for further particulars. Eggs will be shipped from nothing but the best. \$2.50 per setting of 15.

B. S. HORNE, KESWICK, VIRGINIA.



No. 6; Score 93, Egg Record 197.

**BLUE BLOOD
Winners.**

HARD TO BEAT

**LARGE PRODUCTION
Layers**

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907, 1st, 2nd cock; 1st cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8 for 100.



Cup Won at
Bristol Show.

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NASHVILLE, TENN.

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BARRED PLYMOUTH ROCKS FOR SALE

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I have never exhibited nor sold a bird for a show room that failed to win the blue ribbons.

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**Poultry Supply
Department**

C. W. HENDERSON CO. Knoxville, Tenn.

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 5

Knoxville, Tenn., September, 1908

(Whole No. 52) No. 4

THE PREACHER'S WIFE AND HER POULTRY

WRITTEN FOR THE INDUSTRIOUS HEN BY J. R. PAYNE

METHODIST preachers, who have a horse and ride around a kind of circuit have often been twitted with a fondness for chicken, as served on the tables of the good people where they visit. Their visits to country homes are often unexpected and the busy housekeepers are compelled to prepare a hasty meal for their guests.

It occurs, therefore, as a necessity, that the spring chicken is dressed for the table, a savory dish, such as any hungry person would relish and the clerical visitor would be real unkind if he did not praise the food so kindly prepared for him. No wonder they learn to like it. The kindness and hospitality of the country people do not always stop at providing something good to eat for the preacher when he visits them, but remember the wife in the parsonage and it sometimes happens, that a choice pair of poultry beauties go to her when the preacher returns from his work among the people or are set down at the preacher's home as a present. Much as the master of the house loves fried chicken the good woman, who sews on buttons and straightens out the shirt collar when he is about to go off to his appointments, assures him that her nice pets, sent her by Sister Barbara Heck, cannot be used for food, as she cannot often go with her husband and be a guest with him in country homes she determines to use the presents sent her to start a poultry yard of her own and raise some friers at the parsonage.

So it happens that some preachers' wives show not only a fondness for poultry raising, but real talent for that industry. She has to stay at home anyhow, and her life is a lonely one, so the little chicks which the mother hen gathers under her wings at night and scratches for during the day, make good company for her by their frequent calls at the kitchen door and she soon learns to take pleasure in their increase.

A few incidents, of poultry keeping among the wives of Methodist preachers, will possibly interest some readers.

Twenty or more years ago, a poor preacher's wife, living in a country place, received a pair of Partridge Cochins which were a wonder for beauty and symmetry of form. A poultry house of pine poles was quickly set up, at the foot of the hill on which these chicks were expected to forage for scraps of grain and bugs such as they liked. It is a current story oft repeated, that the little chicks when hatched were so large and grew so fast that some of them were big enough to fry when six weeks old. Memory does not say how many were beheaded at that tender age but it is likely that the larger portion of these full blood Cochins were kept over another year, though they did not journey with the owner to the far away charge in another state.

A little preacher's wife in a midland city of small dimensions, whose hubby had out of town parishioners, received a kindly token of esteem in the gift of a King Crower and mate, both light Brahmas, from a country home. The empire of Brazil was then in its glory under the last of its kings, and these chicks were named Don Pedro and Brazilia. There were no scrub chickens on that place so the princess had the choice of places to make her nest. The nesting places were not so abundant, however, as in the country whence she came, so the nest in which her first eggs were found was far up under the house, a most unexpected place for a nest and eggs. When the good lady's son, a youth of 10 years, crept up to the place and saw the one fresh egg there, he ran and called his mother, saying: "Here's a thousand eggs up here." A thousand in one or one shall bring a thousand, may be a better rendering of that Scripture, "One shall chase a thousand."

At another time the moving tent of the preacher's wife wended its way from city full to a cottage among the oaks and orchard trees on a country farm. Here old biddy and her brood could hide in the weeds from the prowling hawks, or gather grubs and seeds under the orchard trees. Here a timely, thoughtful present from a city friend and poultry raiser, of a pair of Black Minorcas, brightened the going from city to country. In the country, however, two chicks is a small supply, and the country neighbors began to bring of such as they happened to have until the astonished preacher's wife found a variety of poultry stock and was puzzled to plan so she could keep the Minorcas in one yard, the Plymouth Rocks, the Leghorns, Brahmas, etc., in other separate places. To do this required more outlay of money than the layout of eggs for a whole year; so the whole flock must be turned out to shift and suit themselves, as to pasture and picking. Light Brahmas cannot fly very high and Minorcas or Leghorns are not large enough to pull down the ears of corn in the field but the combined industry of these varieties of poultry was equal to a standing army or a raiding party of caterpillars.

One kind gathering insects in the preacher's well-planted garden, spoiled the sprouting beans, another clipped the silks of the sugar corn before the ears were ripe enough to eat, and another took to the tender pea-pods that come so early for the good woman's special company. The Plymouth Rock and Cochin mothers fed their little ones on choice tomatoes, cantaloupes and big red apples; while the young and nimble footed Leghorns could fly to the top of the Kaffir corn and sitting on it feed on the milky grains before ripe for harvesting. As apples were plentiful and not handy to market, the judgment of the hens as to which were the best required the testing of the largest and tenderest under the trees. Even watermelons came in to furnish drink for the little biddies in dry weather. It seems hard to find anything in the line of garden, orchard or farm product that a strong combination of poultry stock will not consume in foraging for worms. They will not eat caterpillars, bed bugs, potato bugs, onions, Irish potatoes nor dried beans. These last named vegetables when boiled they will accept cheerfully and will eat walnuts with songs of gladness if you will crack them.

With all these trials of patience and good nature the preacher's wife holds on to her variety stock while all the force of poultry journals and the keepers of show stock are against the practice. As the country farm has lots of grazing ground, all kinds are provided for and each intruder on favorite vegetable or fruit, loses something, and eggs come thick and fast in return for food, and the loss is not so great after all. In fact a nearby farmer whose better half knows a good chicken on sight and who sends a basket load of eggs to market every day or two, boasted that the eggs more than paid for the wheat the chicks eat from the old orchard field near the barn. Besides this the hen with chickens, in her flock, not only raised the friers on the standing grain but added to their own weight with wheat at 60 lbs. to the bushel. If at any time eggs were lacking a few of the largest and fattest hens quickly made up the balance with the merchant. When people will not or cannot pay the preacher in town and his wife cannot have a new calico dress to wear to the conference, they can go straightway to the country and get a farm where the good sisters and children will bring them all kinds of chicks and eggs to start a poultry yard and the cheerful songs of the hens in hunting bugs in the orchard will be good company and help pay the preacher man for his work. There is money and pleasure too in the poultry business, if well managed.

THE BLACK ORPINGTON

WRITTEN FOR THE INDUSTRIOUS HEN BY MISS ALICE PELTON

This variety of Orpington is known very little in the South, as only of recent date were they exhibited at our shows, but they are taking a strong hold and I think it only a short while until they will take the lead of all black breeds. The introduction of the Black Orpington into this country may be said to date from 1902-03 when Mr. William Cook of England, their originator, brought over to the great American poultry shows of that year, the pick of his immense yards. They were shown at Chicago, Philadelphia, New York and Boston and created a sensation and were all sold in this country at very fancy prices. When the Barred Plymouth Rocks were imported into England from America in 1885 they were comparatively a new breed and gave many flock sports. These sports when tested by Mr. Cook laid thirty-five to forty-five more eggs per year than the Barred Rocks hatched from the same parents. Besides they began laying as pullets from one to six weeks earlier than their barred sisters of the same pens. All America knows the superiority of the Barred Plymouth Rocks for hardiness and other good qualities. The black sport pullets of this American breed were taken for the basis of the Black Orpington. Mr. Cook found the Black Minorcas to be extra layers of large eggs. From the Black

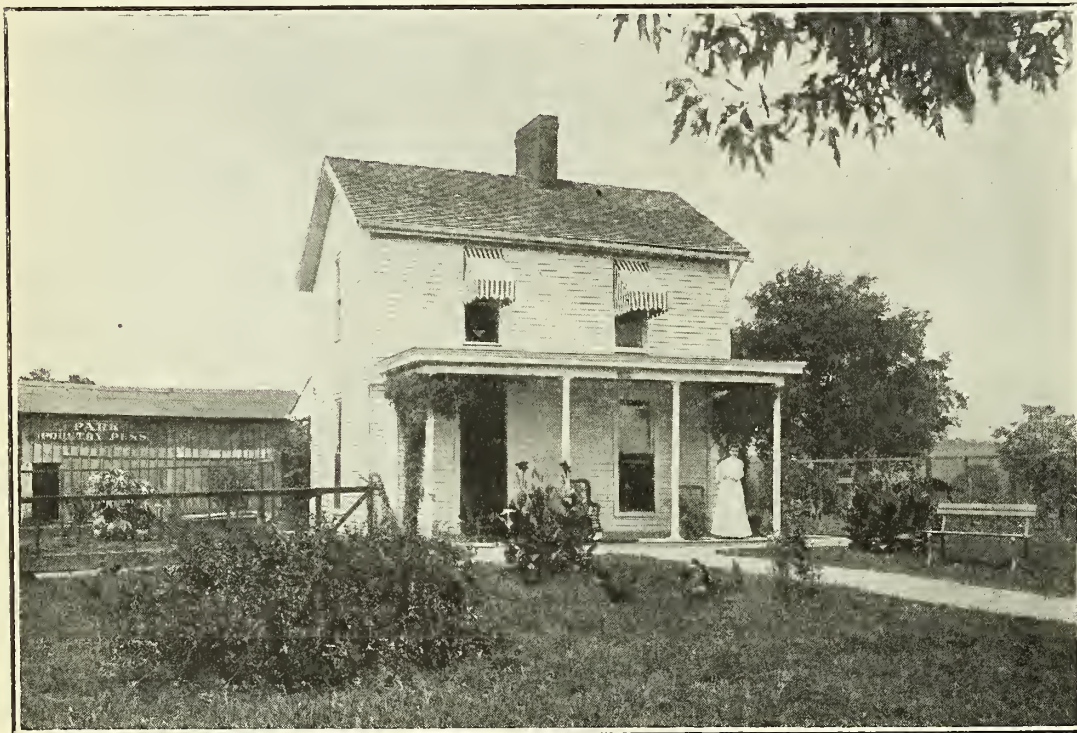
Minorcas he selected cocks and mated them with the Plymouth Rock black pullets. He then mated the pullets from this cross to a Black Langshan cock.—Note—in making all new breeds the last breed used gives the type of fowls aimed at. The Langshan was then a much shorter bird than now, and the best winter layers England possessed.

When the three breeds were blended the new fowls matured from one month to six weeks earlier than either of the breeds separately. These matings produced the Black Orpingtons. It has taken years of careful selection to do away with the feathered legs of the Langshans. After all these years of careful mating it can be truly said they breed perfectly true to type and color, and the veriest amateur can produce as fine Black Orpingtons for the show room as the most expert. Now as I have been quoting from good authority I will say something of my own experience. I began with a pen of two hens, 3 pullets and a cockerel. I began hatching in March. I now have 100 birds, and the pullets are now as fully matured as some other breeds I have that were brought off in January. I set the two hens and let them raise a brood in order to test them as setters. One of them weighed nine pounds when I set her and I thought those eggs would be scrambled, but

in all my experience I have never seen her equal. She never broke an egg nor trampled a chick when hatched. I set her the latter part of May, and her only fault was she was so fond of her nest she would not leave it and I sometimes had to lift her off.

The chicks mature early and make fine broilers. They are wonderful layers of large brown eggs, in fact I consider this their most redeeming quality. The flesh is white, firm and tender. The Orpingtons are especially noted for their deep bodies and broad, full breasts. The long breast bone carrying as much white meat almost as a turkey, and I consider better as it is tender and juicy, not dry as is usually the case with the turkey. Their disposition is very much like the dear old Langshan, quiet and peaceable, and they stand confinement. They are vigorous, healthy, weigh, when fully matured, ten to twelve pounds.

When asked which of the numerous breeds I have in my pens I liked best, I say: "Oh, I like them all! The Black Orpingtons are handsome, the White Wyandottes are beautiful, and the Rhode Island Reds are good.



Home of Park Poultry Pens, Nashville, Tenn., Miss Alice Pelton, Manager, and Breeder of R. I. Reds, Black Orpingtons, White Wyandottes and White Plymouth Rocks.

DOES THE CHICKEN BUSINESS PAY?

WRITTEN FOR THE INDUSTRIOUS HEN BY W. C. McKEMY.

THIS is the question often asked by persons who are partially interested. Yes; is the answer usually given by the fancier, and then he asks "after you have paid for your shed, yard, stock, and feed, are you still better off than if you had purchased your supply in the market?" Yes; I am better off than the man who went to market, and I can show you in figures just what I have expended for house, fence, stock feed and everything which goes with the business. On the other page in my ledger I show just what I have received in dollars and cents for my stock, and also that the latter account will more than balance the former.

The trouble with most persons going in the chicken business is that they start on too large a scale; they expect to undo the market at one jump. Let the beginner start a little slower and increase gradually until he has studied his ups and downs, successes and failures and can care for a large flock successfully.

If you put \$50 or \$100 in chickens and equipment do not

expect 300 or 400 per cent the first year; if you can make \$25 on your investment you have done a good business. The experience is worth at least several hundred dollars to you.

The trouble is we expect too much from our investment. If a man invests \$2,000 in real estate he does not expect to get his \$2,000 back the first year; but is satisfied if he can get ten per cent, or even six. Show me a chicken man who has run his plant on anything like a business basis that can not declare a dividend of more than six per cent. There are numbers who can declare twenty per cent and even more. I know of an instance where a party invested \$20 in a few birds and raised over 100 little ones, besides selling several settings of eggs at \$2 per 15, and yet had his old pen left. These 100 little ones became in time fryers, of which some were sold by the pound and others at \$1 each, besides a number used for the table, and the eggs for family use; I want you to sight me to one instance where a man can invest a like sum and receive such return as this? Yet people argue that the chicken business does not pay.

WHY I BREED COLUMBIAN WYANDOTTES

WRITTEN FOR THE INDUSTRIOUS HEN BY H. D. BRINSER.



I SHALL be as brief as possible in stating why I breed Columbian Wyandottes. I have been raising thoroughbred birds for over twenty years, and never could settle down to one variety until seven years ago when I saw a pen of these beautiful Columbian Wyandottes and made up my mind that this was the bird for me, knowing at the same time that there was lots of room for improvement, especially in the show room, as all know who has followed them up in the last seven years. When I started breeding Columbian Wyandottes I made up my mind

that I wanted the very best that money could buy, and purchased several birds and some eggs at twenty dollars per 15 eggs and started on the long journey of trials and misfortunes. I expected to do wonders, but, to my sorrow, I was sadly disappointed in producing specimens such as I wanted to see. But this did not discourage me, as I kept on improving each year until I had a flock equal to the best in this country, and today my flock is far superior to my foundation stock. A word or two to the beginner if it is not out of place or getting away from my subject. When you start in breeding any variety do not buy cheap stock at any price, as you will be sure to meet with disappointment. Take my advice, and purchase the very best that the country can afford, regardless of price. You cannot buy choice specimens at a mere song, but make up your mind to pay a living price and get on the road to success. I have found in the seven years of my experience that if the Columbian Wyandottes are given a chance there will be a nice balance on the right side of the ledger. They will lay as many eggs of nice brown shells as any other

variety under the same conditions. I do not except any. The young stock is always ready for market after ten or twelve weeks old. They have nice plump bodies, and fine flavored meat. You cannot realize how fine they are unless you have a fine plate of fried Columbian Wyandotte before you. Of course you must have a tooth for chicken otherwise you could not relish same.

When you wish to use them for breeding purposes you have something that will attend to her duties faithfully and raise you a nice little bank account. I will try and give my opinion of a beautiful Columbian Wyandotte. The Standard of Perfection gives outlines of the Wyandotte shape which includes all varieties in the Wyandotte family. As to color they should be pure white over the body with black neck and tail, also black wings. The hackle feathers should be black and laced with pure white lacing around the entire point of feather. The black should run clean down to the skin. The tail should be solid black to the skin with nicely laced tail coverts. The wings should be black with the primaries edged with white. Now when you have such specimens you have something that will attract the attention of the most skeptical. The Columbian Wyandotte has a great future before them, as they are equal to any in egg production, good mothers, and for utility they stand alone. When you are successful in raising some choice exhibition birds you do not have to hunt for buyers, as they hunt you and are willing to give long prices. The Columbian Wyandottes are one of the largest exhibits at most of all the large shows. Take my advice, and try a pen of these beautiful as well as useful birds and be in the swim at all noted shows. Hope these few lines will be of some benefit to some one.

SHALL I ADVERTISE MY PURE BRED?

WRITTEN FOR THE INDUSTRIOUS HEN BY JUDGE J. C. CLIPP, ASSOCIATE EDITOR.



THIS is the question with hundreds of amateur breeders at this time. It seems that the majority are a little bit "shy" of the venture, fearing they will spend more money in advertising space than they will receive for the sale of stock. How many are afraid to plant a crop of grain for fear the harvest will not be sufficient to cover cost of planting? We venture to say not one. The same is true in planting your advertisement. If you select a good medium with a good large circulation and word your ad. thoughtfully, you will surely reap a harvest in the sale of your

surplus stock. One thing certain, you will never sell your fancy fowls at a remunerative price unless you do advertise them. Because some one of your acquaintances has failed to make satisfactory sales is no reason you will fail. The reason a great many fail to dispose of their stock is because they price them out of all reason. There is but one twenty-five dollar bird sold where there are five hundred sold for two and three dollars. The better plan is to not over-value nor under-value them, but price them in keeping with their quality. There are a number of things to consider in placing a value on fancy fowls. 1st. The original cost of procuring your breeding stock. 2d. The expense of raising them. 3d. Advertising expenses. And if you have a show record of a national repute, your valuation should be marked much higher on your strictly fancy specimens; but your breeding stock should be sold at a more reasonable figure; two to five dollars is a very nominal sum for choice breeders. A bird that is not worth more than one dollar for breeding purposes, should be sold on the market at current prices. If you have the ability to conduct an advertising campaign during the stock season you will certainly find that liberal advertising will pay and pay well. We have no apologies to offer in calling your attention to THE INDUSTRIOUS HEN as a first-class advertising medium. THE HEN circulates in a field where enthusiastic poultrymen dwell. The climate is ideal for poultry growing and the buyers have the money to pay for what they want. The writer's experience in advertising in THE INDUSTRIOUS HEN has been most satisfactory. We

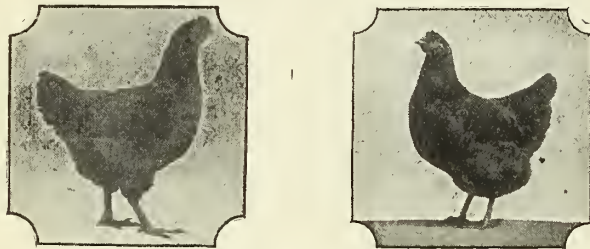
have customers in almost every district in the South and the best of all we find the Southern people the most pleasant buyers the country affords. We find them extremely courteous and reasonable in all their demands. If you have a surplus and wish to dispose of them quickly the Southern people are the people to solicit. They buy your product before the Northern people think of purchasing their breeders. The reason is obvious, because the seasons are so much earlier. In fact in the South it is spring time all the year round; it is the garden spot of the world for poultry keeping, and you will make no mistake in advertising in a journal circulating in the Southern field. It is no "game of chance," in advertising. If you will select a first-class medium. Don't consider the "cheap John" magazines. If you do, you will then find the venture disappointing indeed. You should not hesitate to advertise your fowls, if they have merit behind them you will soon learn that if you have quality and the public finds it out, you can easily exchange your fowls for the ready cash. It's the inferior quality that never sells. Such stuff should be sold on the market, and never offered as fancy specimens. Try your hand in advertising your choicest specimens and be convinced that advertising will pay you much better than selling such quality on the current market.

The following facts on marketing turkey feathers are worth remembering: The quills from the third joint or tip end of the wing are called pointers and should be kept separate. In packing, keep tail and wing feathers separate. Tie each kind in bundles by itself, and press the bundles in the boxes tightly. All feathers must be clean, sound and dry-picked. The wing quills which have full plumage on both sides of the quill, which come from the first and second joints of the wing next the body, are more valuable than, and should be kept separate from, the pointers. The tail feathers should be kept by themselves, and are the most valuable. The short tail and wing quills, if saved, should be kept separate from the long ones, as they depreciate their value if mixed with them. The directions for shipping are to mark the correct weight and tare on the boxes, also the name of the shipper, and ship as "turkey quills."—MICHAEL K. BOYER.

S. C. OR R. C. RHODE ISLAND REDS?

BY EDW. T. DE GRAFF, OF AMSTERDAM, N. Y.

JUDGING by my daily increasing mail, there is a rapidly-growing demand for the Rhode Island Red fowls, and as I am often asked which variety of this most popular breed I would advise anyone to start with I will give a short talk on the two breeds that may be of some benefit to you, and, I hope, introduce you to the many good qualities of this breed which can justly be called "The Greatest Utility Fowl on earth." The picture below is very symbolical of the positions occupied by the two breeds, as the S. C. Reds have been an established breed longer and are nearer to the ideal type, while the R. C. Reds are just gaining public confi-



Prize Winning Hens.

dence and are rapidly growing in popularity for the last year. While no rule works the same in all cases, still I think I am safe in saying that the majority of R. C. Reds are very liable to run more to the shape of the Wyandotte and be smaller in size, especially when they get the ideal color just as we would like them to be.

The breeders of both varieties have followed the breeding for color too closely and overlooked the type and size until many are getting them too small, and the most important point of this breed, namely, the oblong square body, is almost lost. If there is any one desirable point that can be applied to all breeds of fowls it is the long body of any variety, as this denotes good working power and strong constitution, and is the best indication of a good layer of eggs that will hatch chicks that will live. It is always the short-bodied chicks that stand around and die early in life, and often it would be cheaper for the owner if more of those that grow up had died, as they never mature into very good layers.

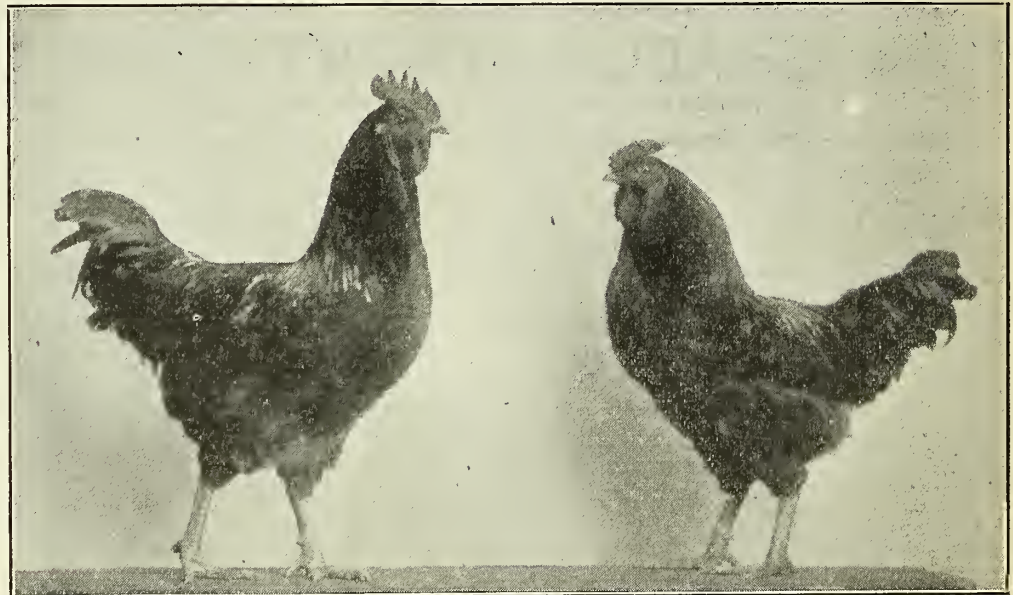
The angular oblong body of the Reds of both varieties is their most important characteristic outside of color, and there is no fowl of exactly this same shape.

This feature, along with their strong, wide-legged bodies, makes them the ideal foragers, when they have the opportunity, or the active fowl when in confinement, and it is not necessary to give them warm houses, as they are healthier and lay more eggs if given fresh air quarters, with plenty of scratching material and the proper amount of mixed grains to scratch for. As to choice of comb, I would advise you to select the one that pleases your particular taste, as there is but little difference about their freezing, although, of course, the advantage is in favor of rose combs, but the wattles of both breeds are the same. I have used a few pictures which show my ideal type in true life that may be of interest to you in

and neither seem to be true to life, and are therefore undesirable.

After several attempts I have succeeded in getting one picture that represents my ideal, and that picture I have in true colors and embossed in my catalogue, and I have never yet seen a breeder but who pronounced it almost perfect in every way, I hope our breeders will have experienced breeders of Reds to judge their leading shows and have the awards placed where they belong, and educate the fanciers to what is proper, as it is very important to get them started in the right track. Some judges look only to color and give small-sized good-colored birds prizes over typical shaped birds of good all-round color, and birds that will prove strong breeders, while in many cases these small-boned birds have got their growth and will never make breeders of any value. In my mind the first prize male should be the one that you would pick if you were given the opportunity of entering the show and selecting the bird you would give most for in your yards, while in many cases of judging this last winter I have seen the fourth and fifth prize birds pronounced far more desirable than the first and second prize winners, as the latter were inferior in many points that go towards making good, strong breeders. Get a good start in either one of these breeds, and your success is assured.

The history of the fancy poultry business has been one succession of booms as each new breed came out, but as we look back we see that many have almost dropped out of existence and others are being bred in thousands, today, but never in the history of the poultry industry has there been a breed that has met with such a popular demand as the Reds. Never has a breed been originated under such circumstances, as the Reds are the result of years of breeding out bad faults



Two Typical, Vigorous Cockerels, R. C. & S. C.

what might be called an "outbred" breed. Never has a breed had a Club of over 1,200 members that pay their annual dues of \$1 each to back up the breed they are proud of, and issue the yearly book called "Red Hen Tales" to tell others of their merits. Besides the original club there has been formed a club among the Western breeders called the Nat. S. C. R. I. Red Club of America, that numbers nearly a thousand and issues a monthly bulletin in the interests of the breed, which should be in the hands of every admirer of the breed.

All these facts go to prove that these fowls really have the merits that their first backers claimed for them, as they have proved to everyone's perfect satisfaction that they are by far the greatest winter layers and their size and flesh make them the most desirable table fowl at all ages, especially for broilers and roasters, as they mature so quickly, and being so hardy, they are the easiest chicks to raise.

Hoping this will give the readers of the INDUSTRIOUS HEN some thought for future consideration, I will close with a toast to all breeders and would-be breeders of Reds:

We have got a good thing,
Let the people know it;
Do not keep it to yourself,
Advertise and show it.



Very Low Full Tail Type.

A Typical S. C. Red.

My Ideal Type of Breeding Male.

selecting your best breeders. I have never yet seen a Red male that was all I would like him to be, although I have owned many leading prize winners of the year and visited most of the large shows. Both the Standard cuts and the cuts in "Red Hen Tales" are very critically criticized by breeders at large,

COCKERELS AND PULLETS

WRITTEN FOR THE INDUSTRIOUS HEN BY A. V. MEERSCH



It is never advisable to allow the young birds to be reared together, for although for a good many years it was the custom of more who reared young birds to allow them to run together until it was required to kill the cockerels, leaving the pullets to come on to lay at the proper period. This was not found to be a success, as the cockerels were particularly poor when separated for fattening or for killing and in many cases the pullets commenced to lay at an age which was altogether too young. The cause was not difficult to find, as the cockerels commenced to pay attention to the pullets at a very early age, and consequently were not so fat as they otherwise would have been.

It must be understood by those who require fat cockerels that their birds do not require a great deal of superfluous exercise; so long as they have sufficient to keep them in health they will do much better if they have a long range over fields, as this develops their muscles instead of assisting the accumulation of flesh. It will therefore be seen that allowing the cockerels and pullets to run together until they are fully grown is bad for both sexes.

It has been proved over and over again that it pays to separate young birds which are required to grow a good size into small lots or colonies, the fewer the better together, as they thrive much better than if a number are running together. As soon as the cockerels can be distinguished, they should be separated from the pullets, and they do well if not allowed to see or hear the pullets, as they are much more contented. They will not fight as it might be supposed they would if allowed to run together as long as they do not see or hear the pullets. When, however, they are all together the cockerels fight over the pullets and very frequently there are bad cases of comb diseases appear, much to the astonishment of the owner.

When fowls, old and young, peck each other and particularly when they are heated, there are small spots form where the pecks are and unless these receive treatment they generally develop into large hard spots, which spread with great rapidity. I advise those who keep fowls to watch their birds very carefully, and if they see that their birds are pecking each other, they should at once dissolve some permanganate of potash in water and with a piece of soft sponge thoroughly wash the bird's head and face with it, afterwards wiping them dry and applying carbolized vaseline. This treatment takes very little time and frequently prevents a serious outbreak of comb disease which is very difficult to get rid of. Cases very frequently come under my notice in which outbreaks occur causing the poultry keepers great loss, which could eas-

ily be prevented by the exercise of a little care and judgment.

As the young stock grow and are separated, the cockerels should be much better fed than the pullets, in order that they may be in a good plump condition when they are picked up for killing. The pullets will be better, if fed a liberal supply of the best grain and no soft food after they are three and a half to four months old, then after two months' feeding on grain they should have a nutritious, soft food given hot for breakfast, which will very quickly bring them on to lay, whereas if they are fed on soft food all along, they commence to lay at an age which is too early, before they have really reached their full development, and consequently they are stunted in their growth and the eggs they produce are very small in size compared with what they would have been had the birds received a different feeding; the cockerels, on the other hand, should have soft food twice a day and grain at night.

The soft food should be composed of ground oats, whole meal, and a small quantity of corn meal, mixed with middlings one day and with barley meal next. When the birds get plenty of slugs and worms they may do without the mid-day meal, but it is very rarely they refuse it; then at night they should have boiled wheat one night and good oats the next. These should be given dry. Do not give mixed grain or mixed oats with any other grain as the fowls care for these less than for any other, although they are good for them.

It is most essential that the young stock should have a liberal supply of sharp flint grit, as nothing causes sluggish liver so quickly as a lack of this, and the fowls cannot do well if their digestive organs are not acting freely, as the gall becomes overcharged and disease frequently follows.

Hearty fowls grow and do well, but those with sluggish livers are very unprofitable. In separating the birds the house they are placed in need not be elaborate at this time of the year as they do not require keeping warm. Those who have not proper fowl houses can provide a very good substitute by getting large boxes, such as are used for packing cases and by nailing on a sloping roof covered with a piece of roofing felt and making a door at one side and boring some holes for ventilation just under the top so that the birds have a free current of air over their heads.

It is better not to provide perches for them to roost on, as this is a frequent cause of crooked breasts among young birds, and this should be avoided in the young cockerels, as table birds are required to have perfectly straight breasts.

Young cockerels which are reared for stock should also be separated from the pullets as soon as they can be distinguished, but should have their liberty and a liberal diet of good hard grain and plenty of good bone meal to help themselves to.

COLOR OF THE BLUE ANDALUSIAN

WRITTEN FOR THE INDUSTRIOUS HEN BY V. H. COUNCILL

As a breeder of the Blue Andalusians, I am deeply interested in the breed and particularly in the color required by the judges. I have had no trouble in breeding to "Standard Requirements," but to breed a color that the judges will construe to be up to Standard Requirements is quite another thing.

At the Washington show last January, one of the judges contended that the color required for the body of the male was "steel" (a color generally classed as a grey), and criticised the dark slaty blue required by the Standard. In fact, he made no reference to the language used by the Standard, but insisted the color should be steel. Another of the judges, of unquestioned ability, commented most favorably on the dark, slaty blue, and said he had not seen such perfection in Andalusians for a long time.

Now what I wish to say is this: The judge should be required to judge according to the language of the "Standard." In fact, he should show to the satisfaction of the breeder that he is judging according to the language of the Standard. I am not complaining of my treatment, for my birds took first prize wherever exhibited last year; but I should like to know how a breeder will know the shade to breed if he is to have no uniformity in judging.

This year, I am breeding in both shades; steel and slaty

blue. If I do not "make" it with one perhaps I shall with another.

I want to congratulate you, Mr. Editor, on the most excellent poultry journal you are getting out. As an advertising medium I find it a paying investment.

I should like to make a few remarks on some things I have observed. Dry wheat, bran and charcoal kept before little chicks will prevent white diarrhoea and will also prevent craw or crop bound.

A sure cure for egg eating hens is to break several eggs in a pan, put one teaspoonful of red pepper over it and set down near the nest. Do not be discouraged if they do not stop at once. Do it several days and you will soon be rewarded.

Canabalistic chickens (no matter at what age) can be cured permanently by using carbolated vaseline. Brooder chicks are likely to take to this habit, but if you see them picking at one of their number, apply at once the carbolated vaseline to the place where they are picking and do it thoroughly—you will have no further trouble. This remedy will also cure feather-pulling hens. Apply the carbolated vaseline on the feathers of the one being picked.

To prevent or kill lice keep dust boxes always well supplied with fine garden earth and keep dry by having light top on box. You will find no trouble, winter or summer, with lice.

"THE CORNISH FOWL"--(Cornish Indian)

WRITTEN FOR THE INDUSTRIOUS HEN BY J. W. SOUTHMAYD, 3rd V. P. CORNISH INDIAN CLUB OF AMERICA.



Cornish Indian Hen, 1st pullet at Missouri State Show, 1907; 3 years on exhibition and never defeated. Bred and owned by Evans-mayd Farm, Chandler, Okla.

THIS grand table fowl was originated in England in about 1887, and has been bred very extensively ever since. They have always been considered among the best general purpose fowl and their very best table fowl, proving their right to the latter honor by invariably winning in all the "dressed poultry" exhibits. The first shipment of these birds landed in Indianapolis in summer of 1887, and up to 1902 all the leading American poultry publications give this breed much space, but somehow the American fanciers got it into their heads that they

must breed their birds 17 hands high (using a horse expression) and many, I am sorry to say, came very near accomplishing this feat, when these long thin bodied crane appearing birds commenced to appear in the show rooms. They were not admired for they looked awkward and ungainly, and in consequence was soon dropped by the journals and consuming public. For several years one rarely ever saw a Cornish in show room, but still they were admired and bred by those who knew them. In 1905, I think, some of their followers showed large class at Chicago. I suppose they were the tall ungainly kind for the judge, and they had one who knew what a Cornish should look like, remarked that there was not a bird worthy of a place. These fanciers got busy right there to get right, for the judge had shown them where they were wrong; they organized with four members, I think, and then commenced to plead for the genuine Cornish type as of old, the short-legged, thick-bodied and heavy-boned bird. To get this kind they must send to England where they were originated, which they did. Other breeders got in line; the club grew and grew until now we have over 100 members. Last year at Chicago was shown a class of 70 Cornish, most of which were imported. The same judge said they were the grandest lot he had ever passed on. As this fowl is considered one of England's best utility breeds, we feel that they should be in the English class, and our club is going before the A. P. A. and request this change in classification as well as other important changes, which will stimulate the breeding of better Cornish, as we are confident that the A. P. A. will grant our just request. We will appreciate it very highly if the show managements will give our breed the English classification instead of the Oriental Games.

POULTRY INDUSTRY AND SOME OF ITS NEEDS

WRITTEN FOR THE INDUSTRIOUS HEN BY PROF. HORACE ATWOOD, Assistant Agriculturist, W. Va. Expt. Station.



MOST people suppose that the keeping of poultry is a small "one-horse" affair, worthy of the attention only of women, children and "poultry cranks." What are the facts?

Secretary Wilson of the Federal Department of Agriculture places the value of the poultry products produced last year in the United States at \$600,000,000. By the same authority the value of the wheat crop is placed at \$500,000,000. Or in other words, the value of the poultry products exceeds the value of the wheat crop by \$100,000,000.

Truly, this is no small industry. It stands well up among the great big branches of agriculture of which our country is so justly proud, and the reason why it has failed so generally to secure proper recognition is because it is not concentrated in a few states, localities or sections. From Maine to California fowls are kept and it is the many millions of flocks that gives this industry its economic importance.

THE NEED OF POULTRY EDUCATION.

Old things pass away and new things take their places. This is true of education. Today the new education is not striving to turn out scholars who can read Greek and Latin, and whose education consists largely in the memorization of words and phrases. The new education is striving to teach the youth of the land actually how to do things so as to improve the material conditions which surround us and which influence our lives.

The new education is teaching how to handle farm lands more profitably through better understanding of the nature of the soil and the factors affecting plant growth and development. The new education has built up in practically all our agricultural colleges dairy schools where young men are taught how to make butter and cheese and operate creameries and cheese factories and thus relieve the good housewife of a vast amount of unnecessary drudgery. To be brief the agricultural colleges are attempting to teach how to do those things which are of importance to us in our daily lives, and to understand better the things that surround us.

Now does poultry deserve the same careful attention that the other branches of agriculture are receiving? We have already seen that from a financial standpoint poultry stands

well up in the front rank. But perhaps nothing further can be learned about the care and handling of poultry! To answer this, however, it is only necessary to point to practically every big poultry plant that has failed, and there are many of them scattered over the country, each of which plainly attests the need for a better knowledge of the keeping of poultry. The fact is, that although poultry has been kept for centuries, yet we know relatively little about the industry as it is being carried on today, with its incubators, brooders and artificial methods. We are making discoveries, however, each year, so that a large plant can be operated with less danger of failure than formerly, and so that a small plant can be operated with more profit than formerly.

We know more than ever before about artificial incubation and the factors that affect the vigor of chicks. We know more than we ever did before about brooding and feeding chicks so as to develop them into strong, vigorous individuals capable of filling the egg basket. We know more about feeding laying hens, more about the proper principles upon which to base the construction of poultry houses, more about handling eggs for market purposes, than we have ever known before, but there is much still to be learned about all of these things, and the only proper way for future progress is for the Experimental Stations to take up the study of these problems in a careful scientific manner, and for our agricultural colleges to establish courses in poultry keeping so that young men and women can be properly trained so as to take an active part in the further development of this great industry.

The demand for better knowledge about poultry is almost universal. The few agricultural colleges that have established thorough courses in poultry culture have all had practically the same experience, namely, that the courses have been overcrowded from the start, and there are no bulletins published by our experiment stations that are more in demand than poultry bulletins.

The demand for definite, clear cut knowledge about poultry is plain and insistent, and the legislature of each state should be brought to a proper realization of the importance of this work so as to supply the funds necessary for the establishment of this branch of instruction, upon a firm, substantial foundation.

McCULLOUGH'S POULTRY POINTERS

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

WE OFTEN HEAR people ask which is the best breed, beginners especially. We also see some "smart" breeder advertising his favorite variety as "America's best general purpose fowl" or "the best breed on earth." The writer has experimented with a number of varieties and could make a blow if he had a mind to. I have bred all varieties of Plymouth Rocks and a number of other varieties, then picked the one best suited for my case and stuck to it. For me they are the best, but they may not be for you. For a breeder to say in print his variety is better than all others is quite bold. I find points of excellence in every one; and have no desire to run down other varieties. Such work does me no good and I am sure does my fellow breeder none. As is well known the writer breeds White Plymouth Rocks and firmly believes they are as good general purpose fowls as there is, but that does not justify my saying that they are the best variety in the world. No one has tried every variety, then why advertise yours the best. How do you know? No guess work. Facts, please. Saying a breed is the best does not make it so. Better get proof before you make too big claims. I read an advertisement that a certain breed had the best qualities of all the breeds. Now this might attract an amateur but to any one experienced in poultry a glance is enough. With all respect to these breeders we see no common sense in claiming impossibilities for them or any other breed. Such statements do the variety far more harm than good. It is all right for you to blow your horn and blow it loud but please stick to the truth. If a man advertises untruthfully he is likely to be untruthful to his customers. There is a difference in breeds, but there is, as a rule, more depending on the feed and care than the breed. For poultry and eggs alone I would select one of the light breeds, such as Leghorns, Anconas, Andalusians, Hamburgs, Minorcas, Red Caps or some breed that was bred for egg production exclusively. If I wanted a good layer and a market fowl I would try a variety of Plymouth Rocks, Wyandottes, Javas, Dominiques or the Orpingtons. Then if you want a large breed you can choose either Brahmas, Cochins or Langshans. Choose the variety you like best; give it proper care and it will be the best breed on earth for

you, but probably not so for your neighbor. It seems to me that people have gone wild over new breeds. Having no grudge against new breeds I fear there has been some old breeds thrown aside for new ones not half so good. It is a shame to see where some of the old standbys are today. The Cochins are not popular any more while the Langshans are far from the place they should be. Dark Brahmas are almost unheard of; and they have beauty that no other fowl possesses. Of the American breeds we find the Javas almost a thing of the past. The Dominiques are nearly unheard of. In some shows they are not listed at all. The Golden Wyandottes and The Black Wyandotte are varieties that should hold a higher position; even the beautiful Silver Penciled variety has dropped back the last few years. Then of the laying breeds we have Red Caps, six varieties of Hamburgs, the Black Leghorns and we might mention many others but those mentioned have all seemingly taken a back seat. The Hamburg and Red Caps have proven excellent layers and are among the most beautiful of all fowls. Why they are not bred more is a mystery to me. Someone says they are not healthy but this is not true. Breed them for vigor as you do some of your new breeds and watch results. Who's fault is it that these good old varieties are neglected? First it is the breeders. The men who are breeding these varieties should advertise them and write articles about them for the poultry press, convince people that they are as good as any. Then the poultry papers should take more interest in building them up. Look up their records and write them up, your readers will enjoy it. Unless something is done some of these splendid old varieties will be lost altogether and in time will be thrown out of the Standard. They will make you more money than any of your new breeds that people make so much fuss about. Don't take my word for it but give them a trial and they will speak for themselves.

There are several varieties of water fowls that seem to be bred hardly any more. The writer would like to buy some good Alesbury ducks but can't find any for sale. Breeders of these scarce varieties will do well to advertise them. People want them but don't know where to get them. Don't hide your light under a bushel. Let people know who you are, where you are from and what you keep.

POULTRY WORK FOR SEPTEMBER

BY THE EDITOR

THIS is harvest month in the poultry business. The crop must be gathered, stock taken and arrangements made for its storage and disposition for the winter and spring use.

The most important work is in culling out those birds we do not wish to carry over the winter. In the best interests of economy, good health and best results, this culling must be severe. All surplus cockerels must go, broilers are still bringing a higher price than ordinary birds, next clean out all the runts; the very light birds, deformed and poorly feathered specimens. The old hens should go too, except a few with extra good qualities. Then be sure to get rid of every fowl that is not in perfect health or that has been once sick but is now cured. If you keep such, it will cost you money and may ruin an otherwise fine flock. It will come hard to get rid of a fine specimen, for the above reason, but it must be done. Look out for crooked breastbone in an otherwise fine bird. They will not do for breeders, as it is well settled that the deformity is a sign of weakness, which is sure to cause trouble among the chicks from such birds. It was formerly supposed that this defect was caused by improper roosts, but careful observation has proved that that was not the cause, for it was found that the same trouble existed among birds that had always roosted on the ground or on roosts of the proper size and shape.

Now the flock is culled, we must pick out the birds for the coming shows. The first are the county fairs. The birds for these must be groomed, prepared and trained, three weeks or a month is none too long a time. They should be placed in small, clean yards, with plenty of clean straw in the houses and handled every day from now till the shows. A clean, well trained bird will win over a better one not prepared, especially in the fall shows, where the judging is done by comparison.

We should begin now to observe our birds, in making up

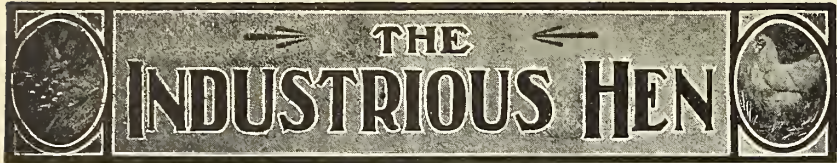
the breeding pens, which has to be done much earlier in the South, at least by the first of December. Study the birds, and keep careful notes from now until mating time. If you have a system of records it will be a great help in this work. Observe the males particularly with reference to vitality; this is of the utmost importance. A medium size male full of life and stamina is worth ten big, lazy, slow, though fine looking fellows.

Give extra feed and attention to those birds which you will show, as well as to your prospective breeders. In selecting, a good way is to put in a yard to themselves every bird you think may do to show, go over them carefully with your Standard at hand and cull down till you have the ones you will compete with.

As a matter of fact, this month, you will find extra all fowls; the old ones to help the moult; the youngsters to keep the growth. For the moulting fowls give free range if possible. Some beef scrap or green cut bone, charcoal and shells. Sunflower seed is abundant now; it is fine for the moult and will give an extra gloss to the feathers of your show birds.

This is a fine month to build any new buildings you may plan for the use of your poultry this fall. We should whitewash, too, before wet weather comes, so as to have all clean and prepared when we move the pullets in next month. Now is the time to mend all leaky roofs, broken windows, fences out of order, in fact just put the plant in order now while the weather is just right.

If you will need it, sow your crops for winter green feed. A patch of rape or rye will be a boon in the bare winter time. Another necessary winter feed is clover hay. the second crop clover is best and now is the time to put it up. Look out for lice; they are hardest on moulting hens and late hatched chicks. Go to your county fair and get your neighbors to subscribe for THE INDUSTRIOUS HEN.—T.L.B.



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Mr. J. W. Froley, of the Agricultural Department, Washington, D. C., who is looking after the practical side of the poultry industry in farm management made a flying visit through Tennessee recently. Mr. Froley is very much interested in the production of eggs and believes that in the South we have a great advantage over other sections if we take advantage of the most favorable egg producer. He believes in thoroughbred stock. We hope to be able to induce Mr. Froley to visit us during our annual poultry show and address the farmers and poultrymen on the practical side of the poultry industry.—L.B.A.

* * * *

Mr. Cleveland, of New Jersey, was chosen president of the National White Wyandotte Club and Mr. Hawn, of Akron, Ohio, secretary-treasurer. It is to be regretted that Mr. Doak, of Nashville, could not be present, as the writer firmly believes that with his genial personality, sterling worth and progressive ideas, his presence would have at once convinced the club members that in him they could have chosen the ideal secretary-treasurer that would reestablish confidence, good will and true poultry fraternal feeling in the club. It is within the power of a secretary of a specialty club to promote or destroy—to build up or let go by default—all interest or indifference. It is to be hoped this once famous club with its large membership may rebuild, and promote the interest in one of America's greatest and best productions, the White Wyandotte fowl.—FALCON.

* * * *

County fairs are held all over East Tennessee every fall, and next year, when these are over, everybody should unite in holding an East Tennessee State Fair at Knoxville. In the meantime let us prepare for it. A week could be well spent showing the best of our agricultural products, our live stock, marble, coal and other minerals. A day could be devoted to races. Departments for poultry, hogs, dogs, etc., could be made interesting. The best from neighboring counties' could be shown as a county exhibit. Much interest and competition would be manifested and besides getting our friends together for a week's entertainment it would be highly profitable to all concerned. We have organized already an East Tennessee Fair Association with some of the best citizens as incorporators, and we hope to see this fair spirit grow until East Tennessee can boast of the best general exhibit of home products of any section in the South.—L.B.A.

* * * *

Whether guilty or innocent of the things with which he was charged? It was not whether the feeling against him was just or unjust, deserved or undeserved; it existed, and so far as his remaining in office was concerned it would have proven unwise and detrimental. It was a condition and not a theory that confronted the American Poultry Association. Some of Mr. Hallock's friends claimed that to resign would be an admission of guilt. We do not see it that way. But even were that true, it would only have been a view from a personal standpoint, and not from the standpoint of duty or the best interests involved. It was with great reluctance that we took this stand, but we thought it our duty to do so. We believe the American Poultry Association greater than any of its members; we believe its success lies in the welfare of the poultry industry of America and we believe that Mr. Hallock is broad enough and democratic enough and patriotic enough to view the matter in the same light, and casting aside all personal feelings in giving back to the American Poultry Association the office to which they had elected him, will be the means of making the Association stronger and better. In unity there is strength, in numbers wisdom; once more let every member

unite and go forward with a firm determination to build up this great organization that has done, is doing and will continue to do that which is best for the great and growing interests of poultry culture. As now conducted the American Poultry Association is without a peer among the live stock associations of America. Men who are directing its affairs have the good of the Association and the poultry industry at heart; they are men who will compare favorably with those composing any business organization in the country. Men who are known leaders in their respective business lines. Men who have the confidence not only of the members of the American Poultry Association, but of the business world.—FALCON.

* * * *

When our readers see a list of the U. S. Government publications on poultry subjects, they will be surprised at the number of valuable books they can get free of cost or for a nominal price. The complete list can be obtained in Price List No. 17, 2nd Edition. Poultry, issued by Superintendent of Documents, Washington, D. C. In this list there are fifty-four distinct publications, of which thirty-seven are Farmers Bulletins, which were originally issued free, some of which can still be so obtained. They are on such subjects as breeds, care and management of diseases, eggs, feeding, incubation, marketing, shelter and a number of others. These publications are written by disinterested investigators with no other object than to supply the people with trustworthy information. They have the more value on that account. Any breeder who wishes to secure a comprehensive Poultry Library can get the whole fifty-four publications for \$10.90. We can recommend them heartily.—T.L.B.

* * * *

If the poultry interests of Tennessee expect the next legislature to make any provision for poultry instruction and recognition of the industry, we must have some settled plan and an organization for that purpose. We are looking into the laws of the different states which provide for instruction in poultry culture, so we can help formulate a plan to present the claims of the farmers and poultrymen. The University of Tennessee, in connection with the United States Experiment Station stands ready to furnish instruction in poultry culture if the Legislature can only be persuaded to furnish the necessary funds. To succeed in this it is only necessary that a sentiment in favor of such an appropriation be created throughout the state. This can only be done by organized effort. The various state, local and county poultry associations should not overlook the importance of this subject. Now that the time for their annual meetings are approaching, these associations should inform themselves as to what legislation is necessary to forward the poultry interests of the state, and then through organized and systematic effort endeavor to secure the passage of such favorable legislation. The farmers and poultrymen are entitled to have the needs of the poultry industry recognized in a practical way by the Legislature. If they fail to get such recognition it will be their own fault.—T.L.B.

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In a recent interview with a number of poultrymen the writer learned that the majority of them, both the experienced and amateur, prefer a journal that tells them how and what to do, and not so much hot air as is the practice of some publications. They prefer a journal that has a corps of writers who are practical; that can tell them in plain English just what to do to get eggs when eggs are high, how to successfully operate an incubator; how to feed and care for the chicks, how to prevent all manner of diseases that poultry fall heir to. In conversation with a very highly educated gentleman a few days ago, he remarked that he was very much taken up with the appearance of THE HEN, because it dealt with almost all phases of live stock and poultry keeping. Well, it is certainly

encouraging to the publishers to know that their efforts to give to their readers pure cream has not been in vain. There are so many journals that lose sight of the fact that the majority of poultry keepers are amateurs and not veterans. Quite a number of breeders who are regarded as veteran breeders are in reality amateurs. The writer, for instance, has been in the fancy poultry business more or less for seventeen years and we will confess that we know but little yet. We are just beginning to learn that the business is yet in its infancy and that there are great possibilities for the future. We learn something new about the business every day, and I find that the novice can give us some valuable information about mating and breeding fowls. Its not the high-spun literature revealing how they keep fowls in cold storage over in England that benefits the average American poultryman. Its the practical writer such as Mrs. Shofner or Mr. M. K. Boyer that helps the average poultrymen over the angry sea of poultrydom. The man who has the ability to reveal his poultry experiences in a plain practical article is worth quite a sum to the poultry world. Personally we like to read after the man that explains his methods that brought about failures as well as the methods that bring about unbounded success and we find we are not alone in this preference. Its what to do and how to do, to prevent great mortalities in the flock that counts much to us. If you are informed as to the methods that are certain failures, then we can escape many pitfalls, and will only adopt successful plans. Again the article that will help the city fancier is but little benefit to the country fancier, as it requires altogether different management with the city fancier to what is required with the fancier on free range. Its the practical writer and not the theorist that speaks wisdom to the amateur breeder.—J.C.C.

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SHOW REPORTS AND WINNINGS.

THE INDUSTRIOUS HEN will be glad to receive condensed reports of fairs and poultry shows. We will publish the winnings of all our advertisers, but cannot publish all the winnings. Our space would not permit of it, besides a man's winnings are his best advertisement, and to publish all, side by side, is not justice to our regular advertisers.—L.B.A.

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THE HEN IN ARKANSAS.

Mr. G. C. Watkins, THE HEN's representative in Arkansas, will maintain headquarters at the poultry department of the Hot Springs State Fair, Oct. 12, and at the Central Arkansas District Fair, at Carlisle Oct. 19, where he will have sample copies and other literature, and will be glad to meet his friends and talk advertising. Visitors are invited to make THE HEN's booths at these shows their headquarters.

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SEPTEMBER 24, 1908, A LEGAL HOLIDAY IN TENNESSEE.

A few days ago Governor Malcolm R. Patterson, in recognition of the value of the State Fair to the people of Tennessee and as a compliment to the several Governors of the neighboring States who will visit the State Fair on Tuesday, September 24—which will be "Tennessee Day and Governor's Day"—has issued a proclamation declaring that day a legal holiday. An invitation is extended to all citizens of Tennessee and they are urged to attend the State Fair on this day.

* * * *

HOW? WHERE? WHEN?

Our large circulation among the intelligent farmers of the South, who are becoming each day more interested in poultry raising will commend THE HEN as an advertising medium as second to none in our chosen territory. The tremendous increase in the number of fall county fairs, where the poultry department is one of the main features, will cause a great number of those who attend these shows to go into the poultry business with the consequent demand for good stock. The HEN will be represented at all these fall fairs and shows. Our readers are principally among those who attend these shows. These events occur principally from September to February. Here we have the demand, the customers, and the medium for reaching them. What is lacking? The man with the goods to sell, to let these people know what he has for sale. How? By advertising. When? Now. Where? In THE INDUSTRIOUS HEN.—T.L.B.

THE A. P. A. AT NIAGARA FALLS.

The American Poultry Association was called to order and from first to last the program was followed to the letter. Each part exactly on time, and every one taking part proved by their efficient work that they had given time and energy in making preparations. It was one of the most largely attended and important meetings in the history of the organization. Since the meeting one year ago about five hundred and fifty members have been added. The result was highly satisfactory, but two amendments were adopted as most of those present thought it best to give the new constitution one more year for trial, at which time amendments can again be offered with the advantage of having had more mature deliberation. All minds seemed to be centered on the result of investigations. The resignation of secretary-treasurer was the only logical outcome, while perhaps nothing more serious than insubordination was charged, the final result was the only thing that would satisfy the greatest number. The unfortunate Hallock disturbance resulted in the resignation of the secretary-treasurer, with almost unanimous consent of all the officers except Mr. Barnes, of Michigan. An investigation will follow, though so far as known nothing serious has occurred. Mr. F. L. Kimmey, the veteran advisor of the organization, was chosen to fill Mr. Hallock's unexpired term. Mr. Kimmey has the confidence and support of the Association, and will conduct its affairs with integrity, zeal and progress. The result of the White Wyandotte scrap was the report that while there had been extravagance in the conducting of its affairs, nothing more than this was discovered. Mr. Kimmey will act as secretary-treasurer until the next annual meeting. He says he will positively not be a candidate or accept the position again. He will serve as Election Commissioner, as he was unanimously elected, and having been appointed secretary-treasurer does not conflict with this office. The choosing of a revision committee was perhaps one of the most important things done. In selecting this committee due consideration was given, and so far as practical all parts of the country will be represented, so there can be no sectional feeling in its make up. Curtis, of New York, Hewes, of Indiana, McNeil, of Ontario, Canada, Smith, of Massachusetts, Marshall, of Georgia, McGrew, of Washington, D. C., Russell, of Iowa, Tucker, of Michigan, with Kimmey, of Chicago, as Chairman, Drevensedt, of New Jersey. In these men will be found experience, as they were chosen with due regard to competency and knowledge of the various breeds. Specialty clubs, judges and breeders will be invited to submit to this committee their opinions, as to what changes are desired in the Standards, so that when the new Standard is ready for adoption it will, so far as possible, meet with the approval of all. The receipts of the A. P. A. for the past year were approximately eight thousand dollars, and the expenditures about one hundred dollars less. The report of the secretary-treasurer will be necessary to know in detail just how this was brought about. A resolution was adopted which will require that all bills must be approved by the finance committee before and not after being made; that is the secretary will be required to furnish a statement of what expenditures are to be asked for, and the approval of the committee secured in advance. This is as it should be. In President Bryant the Association has a man of sterling worth, ability and energy. Few men could have presided as he did during the late meeting. His motto, "justice and right shall prevail," was carried out to the letter, and when time to adjourn had arrived he received the hearty congratulations for the able manner in which he had conducted the Association's affairs.—FALCON.

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LEGHORN WEIGHT.

One of the all-important questions to the modern Leghorn breeder is the one concerning weight: "Should the Leghorn's weight be increased?" Every wide awake fancier and breeder the country over has been confronted with the question and has had to decide on the positive or negative in his own mind at least. If this question immediately brings to your mind a picture of some small, bantam-like fowls that are doing grace to your back yard or to that of your neighbors, I should not hesitate to say that a pound or two of flesh would be a decided benefit, but taking the Leghorn family as a whole the United States over, and if you will not let yourself be prejudiced by the few small birds you have seen, I believe you will agree with me that increased size would be detrimental to the breed as a whole.

The Leghorn is in a class by itself as far as popularity is concerned. It is noted the world over as "the great layer." It is generally conceded that the Leghorn is better proportioned to lay a greater number of eggs in a given length of time on a given amount of food than any other fowl. If you are inclined to be a little skeptical along this line conduct your own experiments and you will soon verify my statements.

"More eggs from a given amount of food consumed." Why then are we as Leghorn breeders losing sight of our motto and trying to make Minorca frames of our Leghorns? Each breed has its place to fill. Just as soon as the breeders and fanciers of a certain breed try to make their fowls fill the requirements of another breed, that very moment marks the starting point in the decline in popularity the breed had.

Fellow breeders, let us not forget what brought our favorite breed into prominence—not their Rock or Langshan bodies, but their great egg laying qualities, beauty of plumage and graceful symmetry. Don't get discouraged with your strain if you happen to read in bold printer's ink "The World's Heaviest Leghorns," and think you did not get the right kind of a start. We often hear of the "Greatest Ever" even at the street fairs and carnivals. Do not understand me to say that I am opposed to a well-built, well formed Leghorn. We Leghorn men have things to work for in perfecting our breed as well as any other fancier. My only desire is to keep our Leghorn ideals plainly before us and to keep a Leghorn a Leghorn.—H. V. TORMOHLN.

* * * *

THE GAPE WORM AND IT'S CURE.

For the benefit of poultry raisers, don't let the good you can do stay sealed up till your friends are dead. It seems strange so many worry over their gape worm troubles when the remedy is so simple. Let no one doubt that there is such a thing. It has two white heads which fasten to the windpipe to suck the blood. When rubbed loose it is no trouble for the chick to get rid of. I cure all my chicks and don't wait for them to gape. Just as soon as they begin to cough or sneeze take it in your left hand, and hold its mouth open with thumb and finger; hold its head up to tighten the windpipe; look down and the worms will be plainly seen. Place the thumb and finger of the right hand tightly just below the worms and rub up and down until they come loose. Then the chick will cough it up at once to where you can reach it with a pin head or tooth pick. This is the best remedy I know and easy to practice.—MISS SUSAN BEELER.

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A \$5,000 WHITE ORPINGTON AT STATE FAIR.

KANSAS CITY, Mo., August 15.—Arrangements have been made with Ernest Kellerstrass, the millionaire poultry fancier, to exhibit his famous \$5,000 hen, Peggie, at the Nashville fair the week beginning September 21. Mr. Kellerstrass is to receive from the fair association \$500 for bringing this chicken to the fair. The arrangements were made with John A. Murkin, superintendent.

Peggie is a crystal white Orpington bird, and five of her chickens were recently sold to Mme. Paderweska for \$1,500 each, the highest price ever recorded. Mr. Kellerstrass would not take \$10,000 for the hen, although a price of \$5,000 has been offered him several times, once by Mme. Paderweska herself, who is a noted fancier in Switzerland.

When Peggie comes to town it will certainly be in regal style. She will, as usual on her trips, be attended by a personal valet, and before making the trip her life will be insured against accidents for \$5,000 by the express company making the shipment.

No young woman in the South can boast of a more splendid manicure set than this queen of Missouri fowls. They comprise everything necessary to keep her back, feet, legs and comb in highest state of perfection. She is given a bath every morning in rose water, and her feet and legs polished with a special French preparation. Her food is specially cooked, well toasted bread and porterhouse steaks ground together comprising the average meal.

Peg is never allowed to get out into the chicken pens and eat ordinary worms, such as the average chicken does. She is, in fact, not permitted to associate with them in her own barn yard. Peg has a pen splendidly equipped and two acres of barn yard all to herself.

Her owner, Mr. Kellerstrass, owns a farm of 140 acres just outside of Kansas City, where he raises thousands of Crystal White Orpington chickens.

Peggie has won prizes at London, Hong Kong, Peking, Honolulu, Madison Square Garden, New York, Chicago, the Jamestown Exposition and other places. She has been around the world twice and visited every city of importance in the United States. Her valet receives \$50 a month and does nothing but take care of her. Her life has been insured for \$5,000, and she never travels without accident policies.

Mr. Kellerstrass has refused to show her at the big poultry expositions this season, but as the hen had never been in the South he agreed to allow her to go to Nashville, Birmingham and Memphis, if \$500 were paid in each place. This barely pays the expense to which he is put in transporting her to the fairs and caring for her while there.—W. R. DRAPER.

JO WING'S OPINION OF US

Every farmer in the United States knows Jo Wing, for there is not a writer in the country who has so much knowledge and common sense, and poetry in his make up as has Jo Wing, and some way he has the power of putting all these things into what he writes. He has long been the most read among agricultural writers. Every reader of the *Breeder's Gazette*, at least counts Jo Wing both as a friend and a counselor.

He lectured before the Summer School of the South. He told the story of the settlement of the West—"following the wagon tracks" he called it: a simple tale, the epic of a great movement. Some day Mr. Wing or some other poet will write it in blank verse, and the world will know the age of great poems is not past.

All who heard were charmed with the simplicity, the directness, the truth of what he said, and he quite won the hearts of us all. Then he went home and wrote about us in the *Breeder's Gazette*. Space will not permit the reproduction of his kindly comment entire, but a running commentary on Tennessee, and Knoxville, and the Summer School of the South, and the University, and Farragut School, and farms and farming a whole lot of good things were said of us. Here are some of them:

"God never meant a man to hurry in Tennessee in mid-summer. And yet folks seem to work here, as hard as in Ohio, and to be as healthy, for all that I can see.

"Knoxville is the biggest 'dry' town that I have ever seen. There is not an open saloon in it, and I have not succeeded in locating any 'pigs' with defective vision. It seems really and honestly dry. These folks believe in temperance, for the other fellow, and rather than have him drunken and dangerous they will even drink water themselves. Thus there is very little disorder or crime in this region, far less than in Northern towns.

"What is a Southern school ma'am like? Well, a little more delicate looking than her Northern sister, but much the same, one would hardly know the difference. North or South they work hard too, they have ambitions and ideals, they let their nerves get near the surface some times, and yet there are many of them so girlish, so pretty, so interesting, one wonders how long they will be teachers!

"Prof. H. A. Morgan, director of the Agricultural Experiment Station, is a man full of dynamic energy, full of primal facts, one of the most interesting men I have ever known. The station farm is looking mighty well. It is orderly, well tilled, free from weeds. Things grow so thrifty there, the corn so rank and tall; they have had drouth here else it would promise 100 bu. 'Why so many soy beans, Mr. Wing? Well, we have demonstrated that these soys make more feed to the acre than cowpeas—a half more. They make more than corn, even. Not more bulk, of course not, but so much more flesh-forming material.' Prof S. E. Bain took me to see his clover plats. You must know that red clover has been a failure in Tennessee for some years now, because of a mysterious disease that attacks the plants and kills them as soon as hot weather comes on. Prof. Bain discovered that in some fields where most of the clover plants had been destroyed there were a few living and thriving ones left. These were in some mysterious way disease-resistant. From these few plants he gathered seed and sowed it. Thus he got slowly into a strain of disease-resistant red clover. Now he is gathering a right good amount of resistant seed. Soon all of Tennessee can have disease-resistant red clover to cover once more her fields! Is not that a marvelous triumph for the experiment station and the agricultural college? Is it not worth a million or more to Tennessee in a single year to have red clover as of old? A short drive of two miles and we found James McDonald. He told us of Idlehour. It is his delight, his plaything, and his most serious pursuit as well. He is a big contractor who builds railways in South America and elsewhere, but comes here to rest and cool off. He told us of buying up here a lot of farms, poor, unprofitable. He limed them heavily, putting on 4,000 pounds of burned lime to the acre.

He cultivated them. He fertilized them and manured them. He kept cows and has a large dairy from which milk is sent to Knoxville. We drove through a mile or so of corn and alfalfa meadow, fine alfalfa. He said: 'I grow alfalfa as well as ever I saw it grow in Ecuador, and that is the best alfalfa country I have ever seen. Just look at this object lesson of the worth of lime. I put it on with a manure spreader. The men who drive the spreaders are sometimes careless, sometimes they do not believe in lime anyway, so you see the strips where no lime has been put on.'

"It was marvelous. Where the lime had missed were a few poor sickly plants; where it had fallen heavily the alfalfa was a thick, vigorous stand, no weeds in it, no grasses. He had already cut two crops and was ready to cut the third. Here was a man who had done what I had so earnestly advised—had faith, limed heavily the old worn out fields, then manured them, then put on phosphorus and potash, sown alfalfa seed, gotten better results than almost any of us can get even on favored soils in Ohio and the North! And all this region of East Tennessee, and the Middle Tennessee region as well, is filled with limestone rocks that may be ground or burned and put on the land. Some day this land will be so redeemed, so changed, that no one will know it. Lime will lay the foundation for that too. Mr. Morgan and Mr. Mooers are arranging now to make further tests of lime in large amounts on soils, using ground and unburned limestone. With Prof. F. C. Quereau I drove 14 miles out to Concord, to see the Farragut school. The way lay along stone



White Wyandottes, four and a half months old; reared on ruins of dwelling burned last winter. Plenty of grit and charcoal. Pullets began laying three days before they were five months old. Standard-Bred Poultry Farms, Burke's Garden, Va.

pikes, some of them as good as one sees in England. Beside the road were farms great and small, well kept or nearly ruined, according to the care they had had. Wonderful corn in one field; adjoining it corn not two feet high. Old homes that had once been magnificent, now half in ruins; neat, modern homes in good repair. At last down below us we saw a place that filled us with astonishment—a home set down in a valley with a well built and commodious Pennsylvania barn, orderly fields, covered with luxuriant crops, green pastures, densely grassed, much alsike clover in evidence. A little beyond we came to the Farragut school.

"One of the most inspiring monuments to the ideals, endeavors and successes of a little group of people that I have ever seen. The school is a big brick building set on a hill, having a 12-acre farm attached. There is a little barn and a residence for the head master. In the school are workshops, a kitchen and sewing room, and plenty of fine airy recitation rooms. It is an ideal country rural school, where boys learn mathematics, carpentry, the principles of agriculture, and the girls learn Latin, music, to read and write, spell, cook, make dresses. The wonderful part is that these folks built this thing with their own hands, and had it ready to offer as a gift to the county. Then it burned down, with no insurance! They rebuilt it better, and there it stands, a monument, a milestone, in the march of the New South."—MOD-ESTY.

TURKEY DEPARTMENT

All inquiries should be addressed to MRS. J. C. SHOFNER, Mulberry, Tenn.

Limber-Neck.

Written for the Industrious Hen.

I have known of hundreds of chickens to die within a few days with this trouble. It has been claimed by those whose flocks have been attacked with limber-neck that it is contagious, and that there was absolutely no remedy to check it.

Last summer I determined to find if possible the cause and a remedy. I requested of some of my neighbors that I would like to have the first fowl that they discovered in their yards that had limber-neck. I was soon rewarded with a frying size pullet that had a plain case. She would stand around with her head to the ground; had lost complete control of her neck, which was perfectly limber, saliva running from the mouth.

My first move was to see whether or not it was contagious. I placed the sick fowl in a coop with one about the same age that was in perfect health. I kept them in one day and night and the first morning I found the sick fowl dead. I fed the well fowl as usual and allowed the dead one to remain in the coop until I noticed that the green flies began to buzz around. I then removed the dead one to a convenient and suitable place and proceeded with a post-mortem examination. I first picked all the feathers off to be sure there was no bruises about it that could have caused the trouble. Finding the skin all in perfect condition, I cut the neck open, found nothing wrong there; next I cut the crop open and there to my horror I found unmistakable evidence, it was almost full of working maggots. Not necessary to go any further, this satisfied me as to the cause, and also satisfied me that it could not be contagious. I reported to my neighbor who was so kind to furnish me with the subject, the results of my investigation. He seemed greatly surprised and did not think that the cause. "Why," said he, "I thought maggots would be good for the chickens." He says they are still dying. "What do you do with your dead chickens?" I asked. "Oh, I throw them over the garden fence, when I find them in the yard." On going about the place I found several dead carcasses and some were alive with maggots and the chickens eating them. I asked him to go out among the weeds and highways and hedges and gather up all the dead chickens he could find, kill all that were sick and burn them together, clean up his yards, and report to me in a few days. He promised me that he would, and on next seeing him he informed me that he had not noticed any more with limber-neck. Not long after this, one morning on going out to feed, I noticed a hen on the roost with her head hanging down. I approached her but she would not notice me. I raised her head up and as soon as I would turn loose she would drop it down again. Well, I saw at once that I had a case of limber-neck. I at once went to work to find where she got the maggots but could not find any in the

weeds. I looked under the barn and there found a dead chicken, but from what cause it died I don't know as it was already alive with maggots, and a frying size chicken was standing eating them as fast as it could pick them up and its crop was completely filled. I caught the chicken, put it up and before night it developed into a case of limber-neck. I burned the hen and sick chicken, and made a close look for any more dead ones; that was the last of it.

This satisfied me more fully as to the cause of limber-neck and that it was not contagious except in case they should eat the maggots from the dead. I next went to work to find a remedy, but as I had killed and burned all the sick ones I had to wait until I could get another case. I soon found one from one of my neighbors. I concluded that something would kill the maggots and not injure the fowl would do the work and my first experiment proved a success. I have tried several since then and have not lost but one case and that was left exposed to the hot sun confined in a coop until the hot sun killed it.

Remedy—Three drops of spirits of turpentine in a teaspoonful of water three times a day, until the fowl can and shows a desire to eat; during treatment I would force a small piece of bread down the throat, followed with a spoonful of clean water to wash down, keep in a cool place until able to walk about, then turn loose.

I don't think that a few maggots will kill or give limber-neck, but do claim that an overdose of them, or rather a full feed of them with nothing else in the crop will kill.

If you are not satisfied that I am correct, from the first dead chicken you find feed a well one with all the maggots it will eat, and you will be convinced.—MRS. J. C. SHOFNER.

Fine Luck for Turkeys.

I have been requested to give my experience in turkey raising. This will be very much like writing a history of my life, for I've been raising turkeys so long.

About 18 years ago I took the turkey fever. Failing to secure any near by,

I sent off about 200 miles and got six full-blooded Bronze turkey eggs and paid \$2.50 for them. Out of the six eggs three hatched. I still have that stock. Last spring I secured a fine young tom from one of my friends, who had lost all of hers except one fine gobbler.

I have had the best of luck this year. I set 50 eggs in March and got 48 turkeys, raised 45, sold 44 for \$48. Have raised 56 this year. Am going to try to raise 100 next year. I feed the young turkeys bread, with lots of black pepper. Give them plenty of milk curd to drink; cut onion tops and beaten crockery, glass and chinaware. This they eagerly devour.

I keep the turkey hens up till the little ones become two weeks old, then give them liberty, but watch them carefully and keep them out of the rain till they feather out. I have given all of my married children a Christmas turkey this Christmas, except one, who lives in far-away Arizona.

When I raise 100 I'll go to see her and take her a fine fat tom.—Mrs. S. E. Adrian, Mineola, Texas.

MAMMOTH BRONZE TURKEYS

Prize Winners at South's Greatest Shows.

At Nashville, 1907, 1st cockerel, 2nd pullet, 1908, 2nd and 4th cockerel. At Knoxville, 1906, 1st cockerel, 1st pullet, 1st tom, 1st hen; 1908, 1st tom, 1st hen.

EGGS FROM PRIZE WINNERS FOR SALE

BARRED PLYMOUTH ROCK CHICKENS
FROM PRIZE WINNING STRAINS.

MRS. W. J. LANDESS,
Route 5. Fayetteville, Tenn.

BIG BUFF PLYMOUTH ROCKS

OF QUALITY, STANDARD WEIGHT

With a clear even, rich deep golden color. We can furnish you the finest show specimens, sired by the noted "King George," the most typical Buff Rock the world has ever seen. Our winnings at Louisville, Ky., Jeffersonville, Ind., and many other National shows prove the superior quality of our Buff Rocks.

Choice Breeders \$2.00 and Up.

We have furnished more winners for National shows than any Buff Rock breeder in the Middle West.

OUR "GIANT" STRAIN BRONZE TURKEYS

are certainly grand this year, possessing enormous bone and frame, fine in markings. We have furnished the winners for a number of the leading shows for the past several years.

OUR PEARL GUINEAS

are fine in plumage and great layers.

J. C. CLIPP, Box 700 Saffillo, Ind.

Satisfaction guaranteed in every sale.



FOR SALE!

Mammoth Bronze Turkey Eggs

What every one wants is size and plumage combined. I have it in my flock this 1908 season, with "Southern Prince," line bred, weight 50 pounds, score 97 1-2, his sire, Goliath, weight 48 pounds, score 97 1-2, with Jumbo Jim, grand sire, by hen, weight 47 pounds, second prize winner at St. Louis World's Fair, 1904. Southern Prince heads Pen 1, mated to 8 fine, large females that will score at least 95 points. Pen No. 2 consists of 8 fine pullets mated to a 35 pound cock, score 96 1-2, 1st prize winner at Lebanon, Tenn. "Like will produce like," and this is what my customers will get in these eggs. Satisfaction guaranteed as represented. Correspondence solicited. B. P. R. chicken eggs from best prize winning strain, \$1.50 per 15.

BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.

PIGEONS AND BANTAMS

Edited by E. E. Pryor, Martinsville, Indiana. Inquiries cheerfully answered if postage enclosed. An exchange of experiences invited. Send to above before the 10th of each month for next issue.

Any who desire to start in the Pigeon or Squab business or increase their flocks may feel free to write me and I will be pleased to give them the benefit of my careful investigations as to reliable dealers in and breeders of such stock as is desired.

The Bantam.

Written for the Industrious Hen.



Bantams may be classified as follows: 1st, *Game Bantams*: Black Breasted Red, Red Pyle, Silver and Golden Duckwing; Brown Red, White, Black and Birchen. 2nd—*Oriental Bantams*: Black Breasted Red Malays, Black Sumatras, Cornish and White Indian, 3rd—*Ornamental Bantams*: Bearded White, Buff Laced, Non-Bearded Polish, Black Tailed, White and Black Japanese; Buff, Partridge, White and Black Cochins, Light and Dark Brahma, Booted White, Rose Comb White and Rose Comb Black, Golden and Silver Seabright. The varieties of Bantams are almost co-extensive with the larger breeds and their characteristics identical of their breed. Their diversified homes and universally admired beauty and carriage make them beloved by all fanciers and lovers of the natural in miniature. They are the delight of the baby, the ideal of the child and the hobby of the adult. We hope, in this department, to treat later in some detail of each class, in its various branches, peculiarities, care, breeding, etc.

The breeders of fowls other than Bantams, have a certain minimum weight set by the Standard which must be attained, but for Bantams the maximum is given. In other words, other birds must reach a fixed weight for that breed and class or lose points while the Bantams must not be over a given weight or will lose in points. Hence, smallness, retaining the symmetry and color are requirements confronting the Bantam breeder. They must, of course, conform in shape, color and general make-up to the class and breed they represent. The Bantam must be the exact reproduction of its kind in the most perfect and smallest compass. A person knowing the standard for any class can very easily know the Standard for every Bantam of that class.

The feed, time, amount, kind, purpose, etc. very largely enter into the successful raising of Standard Bantams and they are the only kind worth while. In the effort for size nature affords us many examples. We place seeds in the hot bed. Fertilizer (Food), water and sunshine immediately develop the latent germs and life bursts forth, growth is sudden and continuous, climbing and pushing until ready to transplant. The plant is removed, placed in the garden and with a little protection, water and sunshine it continues its growth, not so rapidly, but grows outward and upward to maturity. Again, if the soil is poor, the water scarce and the sunshine meager, development is retarded, the plant is dwarfed and it fails to attain its maximum size. The same in the animal kingdom. When the weather is cold growth is retarded. Then we feed our warm and flesh-producing foods—mashes, corn, etc. In hot weather growth is naturally forced. Keep away from corn,

mashes, etc., and all heat producing and flesh forming foods for Bantams; but for bone and muscle and for heavy feathered requirements give study and care, and such foods as will not force the bird either in flesh or size. For this purpose dry feeding is better than mashes. Enough to sustain life but not to fatten or force. Have an ideal and work towards it—small in size, symmetrical in form, a perfect beauty of its kind.

Breeding from the smallest sire obtainable is a most excellent way. Last March we obtained a Buff Cochins Bantam Cockerel from Wisconsin, at a good price, of course, weighing 14 ounces, and he now weighs 17 ounces, perfect in shape and almost so in color, a first prize bird, an excellent breeder and from him are coming some show birds that will make the other fellow step some, as the pen of little hens he is with are as good and some better than he is. Breeding into the cool weather and early fall helps. It seems that nature has not provided for as rapid growth in the late season as the early, hence August and September hatches do not grow and develop as rapidly as the earlier ones and they enter the winter, coming out in the spring without the weight of earlier ones. They require a little more care, but if the true object is attained without diminution of energy or constitution attention is a delight and not a hardship. Seven Bantam hens industriously keeping warm as many nests of eggs shows our faith in late hatches. We are firm believers in actual practice and have little use for untried and dangerous theories.—E. E. PRYOR.

The Pigeon.

There are so many classifications of Pigeons, we shall divide them into Commercial and Common. The former are for squab raising and propagation, for the cash or pleasure to be derived from their sale or use on the table; being the only kind in which there is any real profit and pleasure. The Common are culls, profligates, the harmless kind, flying without restraint in and about the barn of some good natured farmer, suburban home or aggravating some city neighbor.

The Commercial Pigeon will receive our attention. Almost anything said of them will be true of the Common, except the returns. The Common Pigeon occupies largely the place in Pigeondom that the scrub fowl does in chickenhood. They produce almost the same number, if fed well, but the squabs are skinny, dark, inclined to be tough, and there is no demand for them from the hotels, commission men or buyers.

It seems to be not generally known that there is a strong demand for squabs of good size and flesh, but there is, and this demand is growing. Very few people, comparatively, know the taste of a good squab, or even a bad one for that matter. Squabs are young pigeons, usually so called at four weeks of age. Squabs at 12 hours old are classed as "peepers," at 24 hours old as "squeak-

ers," and at 28 days old as "squealers," ready for market. In order to have squabs you must have mated pairs of pigeons. By mated pairs we mean a male and a female not related to each other. Relationship, for example, the two young ones in a nest, if they should mate together, when old enough, will produce weaker, tougher and a more skinny squab than the parents, and if such mating is persisted in they will run out, i. e. eggs not hatch, and if the eggs should hatch squabs die young or grow to be dwarfs and worthless. In June of this year, being in Worthington, Indiana, I called upon a breeder of Pigeons, who had handled Common Pigeons for twenty-five years. He told me that the week before he had shipped to a Louisville, Ky., Gun Club twenty-eight hundred (2800) pigeons for shooting. The Pigeons had become too little and tough for any market purposes. He told me that in the summer of 1907 he had 4,000 and they were almost all alike, except 200 old ones he had kept and had when I was there, having sold and given away the others. Asking why this slaughter of 2,800 birds he said it was all caused from inbreeding. He got careless and allowed nest mates to mate, and was going to start over again with 200 old birds. He knew the rule but violated it and reaped the results. The chicken fancier cannot mate up his pigeons as in line or strain breeding. If he does he is gone, that is all.

With a good foundation stock (of which more later) one road to success is unrelated, perfectly mated, working pairs, and by keeping this ever in mind a flock can be built up that will be a source of both pleasure and profit; but to ignore it and permit indiscriminate mating the results will be disastrous and you will fail.

Your experiences with Bantam or Pigeons may be exceedingly valuable to others. Let me have them for use, and all work together for the upbuilding of these great industries.—E. E. PRYOR.

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KENNEL DEPARTMENT

All inquiries should be addressed to S. S. NOBLE, Bloomington, Ill.

Collies for the Poultry Ranch.

If more poultry raisers would keep dogs they would not be troubled nearly so much by chicken thieves. And if they would keep Collie dogs they would not only have faithful watch dogs to give warning of the approach of thieves, but would have animals of which they might be proud at all times. The Collies are so intelligent that they are easily trained and can be made to be of service in several ways. For instance, it is an easy matter to teach them to drive hawks away as soon as they come around. They are also devoted guardians of children and are of the kindest disposition, allowing the youngsters to pull them around as youngsters will, and enjoying the play as much as do their little friends. Every poultry ranch should have a Collie, and one is almost a necessity on a general farm or a stock ranch.—*Petaluma Journal*.

White Collies.

The standard issued by the Collie Club states that in deciding the merits of Collies color is immaterial. This being so, and seeing that classes are made for tricolors, Blue Merles and sables, also for graduates and veterans, it seems strange that show committees ignore the whites. Assuredly there is no color more attractive for a ladies' pet than white, with sable markings. It is to be hoped that some show committee will try a class for the white Collie, which deserves better treatment than they have hitherto received.—*Alpha in Field and Fancy*.

An Unusually Bright Dog.

Johnson Lowe, of Illinois, has twice refused \$400 for a Collie bitch. She will drive any kind of stock by word or sign, fetch any particular cow from a herd, or bring up the horses and leave the cows, or vice versa, as directed. One of her puppies has the wonderful instinct of caring for animals almost as well developed as his mother. At 5 months he would guard cattle in the fields all day without any attention from the owner. When he wanted a drink he would drive the cattle over to one side of the field, so they would not have time to reach the corn before he returned.

My Friend, the Collie.

A few words on general care: In all favorable weather wash the dog once a month, and in summer once a week. Feed him twice daily of cooked food. Do not keep him too fat. Good muscular condition and a smart, alert collie are not the result of too much feed. Once a week give a teaspoonful of powdered sulphur in a pan with some milk. It keeps his blood in fine condition. Use a medicated animal soap when washing him. Disinfect the kennel with crude carbolic acid once a month. In fall and winter, when washing is out of the question, owing to the unfavorable weather, dust him through all his dense coat with a tobacco dust powder. It is a fine method of keeping his skin clean

and insects off after contact with other dogs. Have him clipped in summer if convenient, and let him go on the vacation with you. He will love the water and it will be a sin to leave him home.

"Once owner of a collie, always an owner," is an old but true saying. No circumstances will prevent the keeping of a collie after they have once won you. We know the truth of this in a dozen instances. They are the pride of every one who possess them and will always be first in the heart of a strong man or a woman who is fond of the dumb but true.—*From Recreation*.

Belgian Dog Proves a Wonder.

The police in France have proved completely incapable of discovering any criminal who takes the trouble to use a little intelligence in carrying out his misdeeds, says a Paris dispatch to the Cincinnati Enquirer.

This is probably the explanation of the enthusiastic interest displayed by the Paris public in the competition of dogs trained for policemen.

The first prize went to a Belgian sheep dog named Jules, belonging to a grain merchant living near Brussels. Jules is a marvel both as a protector of property and an assailant of malefactors. The discovery of hidden criminals compared with him makes the strongest policeman seem a baby and the keenest detective a fool.

The program of the competition included tests, annals, obedience, word of command, jumping over palisades up to three yards in height, defense of an object which the animal had been told to watch, attack on an individual padded like a mattress, who was supposed to be a criminal threatening his master, and the discovery of a hidden malefactor.

Jules came out with flying colors in every test and showed complete indifference to tempting morsels of meat offered by any one but his master.

Generally he showed that if policemen had only half his virtue or a quarter of his intelligence, criminals would have a pretty hard time keeping out of jail or the graveyard.

Jule's master refused \$4,000 for his prodigy, which was rapturously applauded by the police.

Tennessee State Fair, Nashville, September 21 to 26, 1908.

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Locomotor Ataxia Conquered at last by Chase's Special Blood and Nerve, Kidney and Liver Tablets which force new life and strength into the paralyzed parts. A month's trial will convince you. Write for full particulars.—P. 3.

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BOYS' DEPARTMENT

Address all communications for this Department, or concerning the Boys' National Poultry Club, to ROBERT G. FIELDS, 33 Caruthers Ave., Nashville, Tenn.

Our Election.

The second election of officers will take place either in October, 1908, or February, 1909, the Executive Committee to decide which date is best. So far no opposition has been shown the change of dates, and it is hoped that the change will be effected, for reasons already stated in this department. If the date is changed a notice will be sent to all members of the Club who are not subscribers to THE HEN, and a notice will be found in this Department of the October issue. If any of the members so desire they may send a stamped envelope, or postal card to the secretary-treasurer, and they will be notified as soon as the decision of the executive committee is known, thus enabling them to know the result sooner, and to begin in time to hustle for their friends or for candidates. I think this is a very good plan, and expect a good man will follow it, as all will want to know the decision as soon as possible. You may also do this in regard to the election, as it will be no trouble to me if you provide the postage. The coming election promises to be warm, or "hot" would be a better word. All candidates are good live fellows, and no matter which one is elected he will fill his office well. Vote for your choice and get other members to vote with you. Potts has proposed that we add a second and third vice-president, and another member (Long) has suggested that we add only a second. The executive committee will attend to this also. If any additions are made, the candidate for the vice-presidency, receiving the most votes, will be declared elected first vice-president; and the one receiving the next greatest number will be second vice-president, and the next third vice-president, if there is one.

Club Notes.

Be sure to vote. You may send your ballot on a postal if you wish.

From present indications, our next catalogue will be a record smasher.

Tennessee, 12; New York, 10; North Carolina, 9; Georgia, 7; Wisconsin, 6; Indiana, 5; Iowa, 5.

The race of officers promises to be warm. Work hard for your favorites from now until the close.

The executive committee meets this month and several important changes are likely to be made in the existing by-laws.

Now is the time to contract for your ad in the coming B. N. P. C. catalogue. Write the Boys' Department editor at once for prices.

If you are going to get any new members, now is the time. We will want their vote in the election, and this is a good way to help your candidate.

If any of our members have, or can

procure a cut of their birds, they would greatly favor the Club by sending same to the Secretary-Treasurer for publication in the next catalogue.

There will be two or three state branches organized before the election in 1907, if the present hustling is continued. The standing of the leaders at present is:

The October issue of the "Boys' Department" in THE HEN will contain a complete list of the nominees for all offices. So far two boys have been nominated for each of the three positions.

I want to request that each member of the B. N. P. C. write an article on the Club for publication in other journals. If you will agree to do this let me know, and I will furnish you the necessary information.

We have sent in a number of new subscribers recently to THE HEN. Our members are appreciating this department and the kind offer of its editor in furnishing us this journal at half price. Boys, let's see if we can't each get up a small club of subscribers and send to THE HEN. If you would keep posted as to the doings of our club it is necessary that you read our department. Come, boys, let every single member send in a few subscribers to THE HEN at 25c the year.

To the Members of the Boys' National Poultry Club.

Having been nominated vice-president of the B. N. C., I wish to say that if elected I will perform the duties of this office to the best of my ability, and will do all I can to make our Club the largest and strongest of its kind in America. Our Club is now no experiment but is bound to be a great success. All boys who are not members should get in line and join with us at once. It depends on you help make it stronger. It depends on you to help make it stronger, and besides I know it will do you a great deal of good. Just think of it; it only costs the small sum of 25 cents to become a member. I wish to thank all of you for past favors and hope to re-



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ceive your support in our coming election.—ARCHIE E. VANDERVORT, Sidney Centre, N. Y.

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THE HONEY BEE

This department is edited by Mr. G. M. Bentley, University of Tennessee, Knoxville, who will answer questions referred to him. Persons desiring reply by mail must enclose 2c stamp.

BEE PUBLICATIONS.

The INDUSTRIOUS HEN will be sent with the following:

PRICE FOR THE TWO	OUR PRICE FOR BOTH
\$1.50 Gleanings in Bee Culture, SM.....	\$1.00
1.00 The American Bee Keeper, SM.....	.75

NOTICE.

Those interested in bees may feel free to write to the editor of this Department and ask any questions they wish. In replying only initials will be published.

Bee Keepers Meet.

The Central Tennessee Bee Keepers' Association met at Nashville recently with President J. M. Davis, of Spring Hill, in the chair and J. B. Buchanan, of Franklin, as Secretary. The meeting was opened with prayer by Mr. T. J. Ayers, of Cedar Hill. There were about twenty-five present. Nine new members were received.

The following subjects were discussed: "Cement Hive Stands," "Home Marketing of Honey," "Transferring Bees and Fumigating Combs."

An interesting paper was read by Mr. Leslie Martin, of Lebanon, on the subject of "Caucasian Bees."

It was decided to place a nice bee and honey exhibit at the State Fair.

The Association then adjourned to the second Saturday in March, next, to meet again in Nashville.

Wintering Stock.

At the back side of the bee building at the Montana Experiment Station, and running the length of it, is a room with floor fitted up with two skeleton shelves of 2 by 4 so that some 40 or 50 colonies of bees may be wintered under as nearly normal conditions as possible, with the entrances connected with the outside, permitting the bees to fly at will.

Above these rooms in the gable roof is ample storage room for empty hives and for surplus combs when not in use for the honey harvest.

During the first two winters prior to the erection of this bee-house experiments were carried on in the outdoor wintering and in packing a number of colonies in straw under one roof.

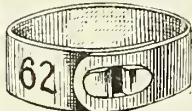
The experiments during the past two years were not only modified by the indoor wintering with packing only above the colonies, but also by packing colonies in straw in an open shed against the side of the house. Outdoor wintering is usually accomplished in chaff hives, and one great objection is the expensiveness of these hives. Otherwise, since it is the most nearly normal condition for bees, this method is to be recommended for inexperienced bee keepers, says the Montana Experiment Station report.

The feature of these chaff hives is a double wall with three to eight inches of space between the walls on all sides, including the bottom, filled with some

nonconductor of heat like straw, chaff, paper or ground cork. The effect of this packing is to retain the heat and at the same time permit the moisture produced by the bees to pass off.

To permit moisture to escape the oil or carriage cloth quilt used in summer is removed, and a canvas quilt is placed over the frames. Above this newspapers, a piece of old quilt or a chaff may be used to retain the heat. Then above this material to retain the heat there should be an open space with free ventilation, accomplished by auger holes through the gable ends of the roof.

The roof and whole hive should be thoroughly painted, and the hive placed several inches off the ground to prevent freezing and thawing and the attendant soaking up of water. The entrance formed by a bridge passageway through the packing at the usual place is contracted to an inch or so for the winter. There should be in most instances no trouble in wintering bees so packed if they are strong in numbers and with plenty of stores.



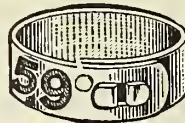
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Box A

MT. STERLING, KY.

THE DAIRY

Edited by James N. Price, B. S. A., Instructor in Dairy Husbandry at the University of Tennessee

An invitation is extended to our readers to contribute their experience to this department. Inquiries answered.

How to Examine Cows for Abortion.

The best possible way to examine a cow, heifer or calf to see whether they are infected with the disease of abortion is to have your helper hold aside the tail of the animal, then with your two hands open up the lips of the vulva, and if you see a number of small red pimples you can rest assured that this animal is infected with abortion and is in condition to spread the disease and infect the herd bull. If with this symptom you see a gathering of white matter inside the vulva, this indicates that prompt action must be taken, as she is badly infected. I would advise stock raisers to make this examination of their cattle every thirty days. The swelling of the udder and vulva are also symptoms of approaching abortion.—Dr. David Roberts, in Farm News.

Influences in Production.

Dr. Bitting considers the following as the prime influences affecting the production of milk: Breed—Heredity has a most marked effect upon milk production. The different breeds are the result of the selection of animals of certain types, and some have been selected to produce very rich milk, others large quantities of milk, and with others no attention has been paid to these qualities. The difference in the quality of milk due to breed includes not only the amount of fat, the color and melting point of the fat, but also the size of the milk globules. In some breeds the globules are large, in some they are small, and in some they may be mixed—large and small. While the breed has a most marked influence, there is also considerable variation of the individuals in each breed.

No figures are available that give a good index to the amount of milk and the period of lactation in the different breeds of cattle in this country. The only animals of which we have record are individuals, mainly owned by experiment stations or in breeding establishments, which are of more than average quality.

Heredity—As a breed represents only the characters of individuals fixed by selection for successive generation, it is but natural that we should find influences in families, but in a less marked degree. Heredity has its effect in stamping individuality, both in the quantity and quality, and no stronger proof is needed than the records of the noted families of the breeds.

Age—Age will influence the quantity of milk. From 2 until 5 years there is a gradual increase in the quantity, after which time it remains about the same during the periods of activity, until the age of 11 or 12 years, and then it decreases.

Pregnancy—Pregnancy always has the effect of decreasing the flow, first due to the tendency of the body to take on flesh for a time after conception, and in a later period the nutrition is utilized for the foetus. It is in respect of the period of lactation that individuals show the widest variation. With many the effect of again becoming pregnant is so slight as to be scarcely noticeable, and with others it is so great as to interfere with the usefulness of the animal.—Ex.

Forming the Herd.

There are two different ways of forming a dairy herd and of maintaining its size and quality. It may be done by buying or by breeding, and these two methods may be combined. The purchasing plan is practiced to a considerable extent by those who produce milk for town and city supply. In a few cases it has been known to be successful where the work of the herd was to make butter. Applied in its extreme form, cows are bought when mature and at their prime, judged almost exclusively by their milk yield, are highly fed so as to keep steadily gaining flesh, and are sold usually to the butcher, as soon as they cease to be profitable milkers. The bull may be of any kind so long as he gets the cows in calf, and the calves are valued only as causing fresh cows, and are dispensed with as soon as possible. The first modification of this system is to keep extra good cows for several seasons and the next to raise heifers from some of the best milkers to replenish the herd. This way of making up a herd and keeping good

its numbers requires abundant capital and rare judgment in buying and selling. It can not be recommended to one lacking experience and even the shrewdest buyer runs great risk of bringing disease into his herd.

The other extreme is to begin with a few well-selected animals as a foundation, and gradually build up the herd to the size desired by judicious breeding and natural increase. This method takes time, and time which may be money, but it is by far the safer and more satisfactory in its results, and must be recognized as a higher grade of dairy farming.

A desirable combination, in starting, is to buy the number of cows desired, and good animals of the sort determined in advance. If one's means will permit, include a few superior cows, and a first-class bull at any rate. Let the cows selected be such as have had two calves and perhaps three, so that they may be judged by their own development, yet be young enough to improve and be in full profit for some years. With a herd thus formed, begin at once the work of improvement by breeding and selection. Sell promptly any cow which proves unsatisfactory and replace her by the best increase of the herd or purchase occasionally an animal which will raise the average quality.—H. E. Alood.



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Is your main feed for growing chicks and making eggs costing you more than 10 to 15 cents per bushel? Have you raised 95 per cent. of all chicks hatched this season? Can you care for 2000 layers and raise 3000 chicks without help and have time for other work? If not, you want my system. Visit my plant and see how I do it. My new book, "Profits in Poultry Keeping Solved," will tell you how to do it, as well as save you \$25 on every 100 chicks you grow to maturity. My third edition of 5000 copies now ready. 3000 Single Comb White Leghorns and White Wyandotte chicks growing under my new sys. for the fall trade. Write to-day for free circulars and testimonials. Address

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Secretaries will save time, worry, and money by sending to us for samples and prices of our supplies for poultry shows. We furnish Coop Labels, Entry Blanks, Score Cards, Express and Coop Tags, and the only Secretary's Entry and Score Book. This book is complete in every detail, and is worth ten times its cost to any Secretary. It is according to the latest edition of the American Standard of Perfection, double indexed, leather back and corners and cloth sides, round cornered. Price delivered \$2. Money refunded if not satisfactory.

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One pen of each at SPECIAL BARGAIN PRICES, to reduce stock. Write for full particulars.

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Cook's strain. Finest quality. Eggs a specialty. Some stock.

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Five first and three second premiums on W. Rocks, a State fair 1907. Magnificent Bronze Turkeys and Mammoth Snow White Pekins. All farm raised stock. Your inquiries and orders are solicited with the assurance that you will receive full value for every dollar entrusted to me.

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Winners at New York, Jamestown, Nashville, Louisville and all leading shows of Silver Trophies. Cups and special prizes for shape and color. Eggs half price. Circular free.

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LIVE STOCK AND THE FARM

Feed for Young Animals.

The younger an animal the more mineral matter it requires in its food. When very young pigs are growing they are producing bone very rapidly in proportion to size and consequently require more phosphates in their food, especially of lime in a soluble condition. Milk contains all the necessary substances for pigs, but after a while they become of such size as to be unable to consume enough milk to supply them, as they must drink about eight times as much water in the milk as there are solids. To supply this deficiency corn meal is added, but corn meal is deficient in mineral matter. Bran, ground oats, shipstuff and finely ground clover hay (scalded) in addition to the milk and corn meal, will prove advantageous.

Preventing Hog Cholera.

Professor Sackett and Doctor Glover of the Colorado Agricultural College, attended the Hog Cholera meeting, at Ames, Iowa, last week. At this meeting were representatives from the experiment stations of a large number of states. These experts met there at the solicitation of the Chief of the U. S. Bureau of Animal Industry. The Government experts have worked out a serum which will prevent hog cholera. It is predicted that there will be such a demand for this serum that the Government will not be able to supply all the States, as it has done with Black-leg Vaccine and Tuberculin. It is expected that each State will manufacture its own hog cholera serum, and it was in order to give complete instructions in the details of making this serum that the experts of the different states were invited to visit the Government Station, at Ames, Iowa. It is hoped that arrangements may be made so that this serum may be produced for distribution throughout Colorado. It will probably be at least two months before much can be effected along this line.

Starting the Fattening Hogs.

It is time the fattening process has been begun with the hogs we expect to kill for our supply of pork and bacon. When commencing to feed new corn, it is best to feed very sparingly at first and gradually increase the amount of corn given at each feed for about thirty days. At this time they should have all they will eat. Fed in this way the grains will be more satisfactory than where they are allowed to gorge, which is likely to cause derangement of stomach and indigestion. When hogs are not making satisfactory gains and you can not discover any other cause for their want of thrift, such as an insufficient supply of good water, or being infested with lice, or sleeping in damp or dusty beds, it will be well to cut down the quantity of feed given them until they develop a good appetite, then very gradually increase the feed the same as if you were just starting to fatten them. Be sure the hogs are free from lice and build the pen on the poorest place you can find.

Old Pens.

The pens in which the hogs were fed are now vacated as are also the majority of the individual sow pens. It is a good index to one's management as to how the pens spend the summer vacation. They too often are permitted to lie idle and raise a large growth of weeds as a hiding place for "varmints" to prey upon poultry or as an incubator for germs of disease to infest both man and beast.

It may add to the beauty of the home to have patches of weeds here and there. This, however, is a matter of taste, and while it may be pleasing to the eye of some, as a rule, most people do not care for a bouquet from such plants. The rank growth of weeds gives rise to the opinion that there certainly must be a great deal of fertility going to waste here. Note the kind of weeds found here. Do these kinds grow on thin land? Why not turn this soil and get a luxuriant crop of rape, cowpeas or other good forage crops which will be much more pleasant to turn pigs into this fall. These pens are the most fertile spots of the farm and will often produce as much of a given crop as many times the same area of the thinner land. The unturned soil during the summer will become sad and sour, and really is not a sanitary place for pigs to be kept. It is in such places that germs of disease will live and multiply while exposure to the sun will render quite a change in conditions. It is a fact not commonly known that corn that is covered up by hogs rooting may lie in the ground

under conditions unfavorable for growing and becomes poisonous to hogs. I do not know what chemical change takes place, but I do know that sows seem to poison their pigs when confined in one of these old pens when they root up and eat the mouldy grains of corn.

Permit me in conclusion to suggest rye for the pens in the fall. This will afford pasture all winter and may be followed in the spring with rape.—E. J. Reed, in *Colman's Rural World*.

Hog Notes.

The hog should always have access to water. Too much corn makes a bad feed for young pigs.

Very rich food too soon after farrowing will scour the pigs.

Regulate the breeding to the season best suited to the young pigs.

The best animals are the offspring of mature animals on both sides.

Overfeeding impairs the health and usefulness of the pig very greatly.

BLOOD TELLS

Don't buy White Rocks of uncertain breeding when you can get them from me that are backed up by the greatest blood lines on earth. They are purely Fishel's strain.

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Have some good ones in old and young stock at HONEST PRICES.

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For Sale, Cocks, Hens, Cockerels, Pullets and Capons.

TWO POUND CHICKS, 50c EACH AND UP

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Have been bred for years for vitality and heavy egg production, as well as standard requirements. They are

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Rion's White Wyandottes have met in competition with some of the finest birds in this country, and have always been victorious. Their great successful show record positively demonstrates the fact that none can surpass them.

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The strain of **Columbian Wyandottes** that has the strongest color lines on earth. I have already furnished some noted winners in Columbian Wyandottes. My catalogue will tell you how I originated this strain by **Light Brahma** and **White Wyandotte** crosses.

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December 16, 17, 18, 19

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R. No. 5

Newbern, Tenn.

The Hamilton, Ohio, Association.

The Hamilton, Ohio, Poultry Association met recently and elected officers as follows: President, R. K. Beeler; vice-president, Jos. W. Stephens; treasurer, E. E. Beckett; secretary, W. C. McKemy, judge, J. A. Hornung, and selected December 1 to 6, 1908, as date of show.

The American Cornish Club

Have issued a beautiful catalog that will be mailed to non-members for ten cents. There are several articles alone that are worth the price of the catalog. The Cornish is a bird not known much of by many of our readers, and we are of the opinion that if they could learn of some of the good qualities of this noble breed they would be benefitted thereby. Send ten cents to F. H. Williams, Secy., Minneapolis, Minn., and tell him you heard of his catalog in THE HEN.

In the September Century

Edward C. Parker, of the University of Minnesota Agricultural Experiment Station, who has written for the September Century of "The Future Wheat Supply of the United States," started in June for Manchuria on an agricultural mission for the Chinese authorities, who requested the State Department of the United States to furnish them with two American experts in agricultural experiment work. The work contemplated is that of organizing an experiment station and agricultural school in the Province of Manchuria.

Birds of Quality.

Rion's Strain of Quality White Wyandottes are the genuine article. We had the pleasure of looking them over at State Fair last fall, where in hot competition they won a large share of the prizes. In fact with Doak's birds they came near winning all the ribbons. These birds have been carefully bred to preserve vitality for their heavy laying qualities, that they win prizes to show that Mr. Rion has a rare combination of fine qualities in his flock. If you buy from Fount H. Rion, 1412 Eastland Ave., Nashville, Tenn., you will get birds of quality.

To Breeders of Rhode Island Reds.

We are now preparing the 1909 edition of *Red Hen Tales*, the year book of the Rhode Island Red Club of America and hope to have it ready for mailing in October. The book will include the standard for judging R. I. Reds, together with the ideal cuts of the birds, and many valuable articles on the breed. In the club membership roll we shall publish only the addresses of members whose 1908 dues are paid. The names of new members and applicants whose membership fee of \$1.00 is received by Oct. 10 will be published. The price of the book to non-members will be 25 cents per copy. Geo. P. Coffin, Secretary, Freeport, Maine.

Two Notable East Tennessee Fairs.

The Morristown Fair Association will hold a three days' fair at Morristown, Sept. 23 to 25. A large number of prizes and specials have been offered, and thousands from all over East Tennessee will attend. T. S. Myers is president and A. T. Dosser secretary.

Newport's fifth annual fair, known as the Appalachian Fair Association will be held at Newport, Sept. 30 to Oct. 2. This will be a great agricultural and educational exposition which many of the counties of Tennessee and Western North Carolina will participate in. There will be large and interesting exhibits of live stock, poultry, farm, dairy and home products. F. H. Taylor, Secretary.

Low Priced Roofs.

Some ready roofings have so little protective quality of their own that they require painting every year, although there are better grades which can be left as long as three years without this protection.

The cheapest way out of the difficulty is to buy a roofing which needs no painting whatever. Such a roofing is Amatite, which our readers will find frequently advertised in these columns.

The mineral surface of this material scorns the protection of paint and faces the weather boldly. Rain, snow and wind have no effect whatever upon it, and it will give good service year after year in the most extreme exposures without any care or attention.

A sample of Amatite can be obtained by requesting same on a postal card addressed to the nearest office of the Barrett Manufacturing Company, New York, Chicago, Philadelphia, Boston, St. Louis, Cleveland, Pittsburg, Cincinnati, Kansas City, Minneapolis, New Orleans.

100 Per Cent. Hatch From Shipped Eggs.

Mr. R. G. McCants, Ninety-six, N. C., writes: "Enclosed find copy for renewal of ad. THE HEN sold a great many settings of eggs for me last spring. I have a fine lot of youngsters this year to offer my customers; had phenomenal luck, rearing about 95 per cent of all hatched; had reports from eggs shipped long distances making 10 per cent hatches, which was better than in my own yards. I have been in the business for pleasure a good many years, but only about two years have I been selling eggs and fowls."

Monroe, La., Poultry Show.

The third annual show of this association will be held Dec. 9, 10, 11, 1908. The two shows held have been great successes in the quality of fowls shown and the interest taken by the exhibitors. But the support by the public has been poor. This season the show will be widely advertised and greater interest in it will be shown by the public. Former shows have had about 500 birds. It is expected to double this number this year. The officers of the Monroe Poultry Association are W. E. Allen, President; W. L. Gregg, vice-president, and Clarence E. Faulk, Secretary.

The Park Poultry Pens.

Park Poultry Pens, Nashville, Tenn., have an enviable reputation for the quality of stock raised there by Miss Alice Pilton, a thorough fancier and breeder. They have moved to 2209 14th Ave., north, where they will have a more extensive plant, as they have outgrown their old quarters. We have seen some of their S. C. Reds which were winners at Nashville last season. The Black Orpingtons won first pen at all three Nashville shows last season. The Langshans are prize birds while the White Wyandottes and White Rocks are raised from the best parent stock money can buy. Prospective buyers will make no mistake in dealing with Park Pens; they will get their full money's worth.

Alabama State Fair.

Poultry will be a feature of the Great Alabama State Fair at Birmingham, Oct. 9-13, 1908, and the management are doing all in their power to make this department a success. It will be well managed by the old reliable Jno. A. Murkin, Judge F. J. Marshall will place the awards. Entries close Oct. 1st. The fees are 25c for single birds and \$1 for pens. The regular prizes are for single birds: \$2 for 1st; \$1 for second. For pens: \$2.50 for 1st; \$1 for second. Specials: \$25 silver cup for best pen, \$10 silver cup for largest and best display, and \$5 1st, \$3 second and \$1 third for best pen in each American, Mediterranean and Asiatic classes. For premium list address Geo. Barnes, secretary, Birmingham, Ala.

Asheville, N. C., Poultry Show.

The Asheville Poultry and Pet Stock Association will hold its second annual exhibition at Asheville, N. C., Dec. 1 to 4. This association is composed of up-to-date fanciers, as well as hustlers, and they are planning to make this show the largest and best ever held in the state, and from present indications, it looks as though they will succeed, and it will be one which breeders in the surrounding territory cannot afford to miss. The premium list will be gotten out in a neat, attractive form in ample time, and be sure that your name is on the mailing list. Judge F. J. Marshall, one of the best known poultry experts, will award the prizes. Mrs. C. B. Campbell, secretary, will answer all correspondence promptly regarding the show.

Columbian Wyandottes.

The Columbian Wyandotte Club is composed of a fine lot of the country's best fanciers and is destined to become one of the finest and most influential clubs in America. The club has a worthy breed to foster and as a club it believes in its mission. The club has no excuse to make in offering itself as the champion of the beautiful variety of the large and increasing family of Wyandottes. They are worthy of all we wish to do for them. The club will offer at the winter shows several large cups, club ribbons and as something of an innovation will offer 25 cups at as many of the medium-sized shows. We want to see the variety represented in large numbers at many of the winter shows. Some prominent fanciers from over the great pond are knocking at the doors of our club and promise is given of a great increase in the membership during the next year. Don't believe all you see in print about this breed but just enough to convince you that they are the ne plus ultra of the chicken family. Edgar E. McIntosh, Stamford, Conn., is the club's secretary.—B. M. Briggs, President.

POULTRYMEN

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I breed but one variety. In buying from me you run no risks in getting mixed stock. I guarantee a good hatch from eggs. Also guarantee birds I ship to satisfy my customers or same may be returned. Your inquiry or order will have prompt attention. Eggs \$2.00 per 15; \$10.00 per 100.

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Barred Plymouth Rocks S. C. Rhode Island Reds

We have a choice lot of young birds for sale, singly, in pairs, trios and breeding pens. There is nearly always a scarcity of pullets, but we've got lots of them this year, both exhibition and breeding stock. Ask for prices on what you want.

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A grand flock of fine fowls, many of them blue ribbon winners, at reasonable prices. Exhibition fowls made a specialty, bred for size and egg production. Can furnish you fine large cockerels to improve your flock, of following strains: Thompson's Ringlets, Buff Rock Nuggets, Latham's Barred Rocks, Fishel's White Rock's, Duston's White Wyandottes, Partridge Wyandottes, Cook's Buff and White Orpingtons, Anconas and Rhode Island Reds, direct from their native land. Have won 100 prizes and a number of specials since 1906. Won a number of prizes at Burlington Fair for 1907. The remarkable sales of the past season stamps their superiority. Write for show record and prices. Eggs from special matings and from 1st prize matings, \$2.00 per setting.

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JEANERETTE, LA.

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Did you succeed last year in getting your pullets to laying in the fall? I can help you in this if you will let me. I have had hundreds of students the past two years in all the needs of poultrymen for practical help. These lessons have been printed in convenient form—handy, short—and are mailed in a single package for one dollar. Covers one year's work with chicks and hens.

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Hanover, Pa., Poultry Show.

Will be held in connection with the great Hanover Fair, Sept. 15 to 18, 1908. A modern poultry building has been erected and thoroughly equipped with Empire coops. Harry E. Bair, Supt., C. S. Shirk, Secy. Poultry Department.

Buff Orpington Catalogue.

The National S. C. Buff Orpington Club is now working on their 1909 club catalogue in which they will add several new features that will make this book invaluable to every one interested in Buff Orpingtons. The club will charge 10 cents per copy for this book to non-members which is less than the cost of printing. We still have a few 1908 catalogues that will be mailed free to all applicants. All breeders and parties interested in Buff Orpingtons are urged to write for full information concerning this 1909 catalogue. Address Will H. Schadt, Secy., Goshen, Ind.

To Officers of Poultry Associations and Breeders of R. I. Reds.

The Rhode Island Red Club of America, in addition to its usual liberal offering of club badges in every poultry show, and a state cup in each state having ten members, and two cups in states having thirty or more members, offers this year \$150.00 in cash prizes—\$50.00 in each section of the country, as follows:

The Western prize shall be offered west of the east boundary of Ohio, north of the north boundary of Tennessee.

The Southern prize shall be offered south of the south boundary of Kentucky, and east of the Mississippi River, or in some state south of the south boundary of Pennsylvania and east of the Ohio River.

The Eastern prize shall be offered east of the east boundary of Ohio, and north of the north boundary of Maryland.

In order that these liberal cash prizes may be placed to the best advantage, the Club requests that secretaries of the larger poultry associations desirous of holding a large show of R. I. Reds correspond with Geo. P. Coffin, Secy., Freeport, Maine, before Oct. 15. The associations offering special inducements to draw a large exhibit of Reds will have the preference.

These prizes are open to all members of the Rhode Island Red Club of America. The Club extends an invitation to all breeders of Reds to join the Club. One dollar now pays membership fee and dues to Dec. 31, 1908. For further information regarding the Club, address the Secretary, Geo. P. Coffin, Freeport, Maine.

A Co-Operative Plant.

Burke's Garden, Va., is the most widely known valley in the dear old state. Not only is it the most unique geographically, the most fertile in soil, the most beautiful in landscape, but it is the most noted for its export cattle. Recently a young lady traveling abroad had "Burke's Garden Steak" served her in London. Upon inquiring of the waiter what that meant he informed her that the steak was exported from America, and was shipped directly from bluegrass pastures. This is no "yarn." It is true that Burke's Garden exports perhaps the only beef in the world not fed at all on corn.

It is here in this beautiful valley, high up in the mountains of Virginia, where indigenous blue grass holds sway, under the dark green shade of the sugar maple groves, that a co-operative plan of breeding poultry is being worked out.

A few young farmers, cattle grazers (and their wives) are specializing on the most popular breeds of modern poultry. Their foundation stock is of the best strains to be secured, strains of the recognized specialists of the east. They are making a careful study of these breeds and their care (being supervised, as above intimated, by their wives), rearing the stock on the wholesome grain and grass of a high altitude. They aim to keep "near to nature" and health and vigor will be their watchwords—no coddling, no hot-house stock that "goes to pieces" upon breathing a breath of fresh air.

Each young farmer is training for a specialist in his breed, and a mischievous spirit of generous rivalry obtains between them as to which will reach the top first. They advertise together, show together, stand together, but each farm is distinct from the others and the breeds are developed under the most favorable conditions of free range with no danger of mixing with other breeds.

This is the co-operative plant referred to, and these young men will "make good" anything they tell you. See their ads in THE HEN and watch out for announcements in the future.

Standard-Bred Poultry Farms, Burke's Garden, Va., conveys the idea—poultry bred according to the Standard of Perfection and on the plan outlined above.

FORCING FOOD
(SEALED BAGS)
100 LBS.
PREPARED BY
CYPHERS INCUBATOR CO.
BUFFALO, N.Y.
U. S. A.

POULTRY SUPPLIES
MANUFACTURERS
Factory and Mill List

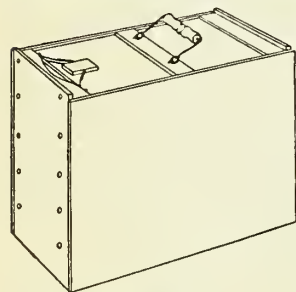
Incubators and Brooders	Chick Food
Developing Food	Forcing Food
Laying Food	Alfalfa
Scratching Food	Food Cookers
Bone Cutters	Wire Fencing
Roofing Paper	Chick Shelters
Portable Houses	Brood Coops
Shipping Coops	Egg Cabinets
Egg Packages	Egg Testers
Egg Preservative	Leg Bands
Chick Markers	Lice Paint
Poultry Remedies	Lice Powder
Disinfectants	Fumigating Candles
Full-Nest Egg Food	Nodl Charcoal
Grit and Shell Boxes	Drinking Fountains
Dry Food Hoppers, etc.	

Send for our Free Illustrated Catalogue of all Poultry Supplies.
Address nearest office.
CYPHERS INCUBATOR COMPANY.
Court and Fourth Sts., Buffalo, N. Y.
Chicago, Boston, New York City,
Kansas City, Oakland, Cal.,
and London, England.
7000 Dealers in United States and Canada
Sell Our Goods. Ask at your store.

Pearl Grit

Hard, shining, sharp; just what old hens and new chicks scramble for. Makes muscles, bones, shell, yolk, feathers. 3 sizes. Free booklet, "True Grit," tells why "Pearl" means economy. Write: **THE OHIO MARBLE COMPANY.** Box 225, N. Wayne St. Piqua, O.

Hoskin's Egg Case.



Patent Pending.

Made of wood, good material, painted, strong. Size: 17 inches long, 8 inches wide and 13 inches deep. Holds 15 dozen. Has adjustable top that fits into the crate any depth desired. The fillers are arranged in small strong boxes, each holding one dozen eggs.

This crate is handy for those who go to market in a buggy as the crate is small enough to set in the bed back of the seat, or in front, and leave plenty of room for the feet. When the eggs are delivered the boxes may be folded, placed in the bottom of the crate, and the crate filled with groceries or other purchases. This crate is handy for those who sell to regular customers. By having two sets of boxes the eggs may be delivered in the boxes, and the empty ones returned.

The price of this crate is 75c. or two for \$1.25. THE INDUSTRIOUS HEN Co. have made arrangements with Mr. Hoskins for 1000 of these egg crates to be shipped to our subscribers. We will send THE HEN one year and one of these crates for 80c.; THE HEN three years and one crate for \$1.50; THE HEN 3 years and two crates for \$2.00. Send orders to

THE INDUSTRIOUS HEN CO.,
Knoxville, Tenn.

SEND US

20 CENTS

For a Year's Trial Subscription to the
KENTUCKY
Poultry Journal

The Only Poultry Paper in the State.

BRANDENBURG, KENTUCKY.

The Kentucky Poultry Journal is an enterprising, pushing and progressive poultry journal. A live and instructive periodical different from all the rest. If you want to make money out of your fowls. If you want to get good results with less work. If you want to learn how to save your little chickens. If you want to know what to do in the poultry yard each month. Send in your subscription.

(This offer for a limited time only.)

Columbian Wyandottes.

Editor *Industrious Hen*:

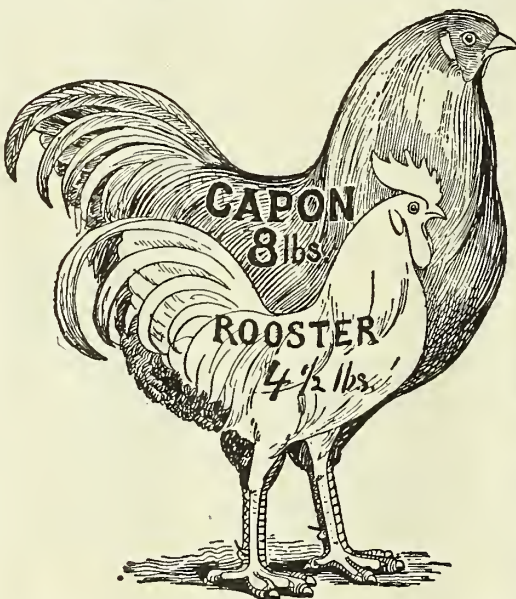
I wish to say to all Southern Columbian Wyandotte breeders that we need better and larger exhibits of this breed at our Southern shows; it seems to me that it is up to the Columbian breeders to devise ways and means of bringing them out. We can have at least one big Columbian show this year if we will make up a nice purse. Let every Southern Columbian breeder join in and contribute something and we will have as fine a show as ever was held anywhere, both as to quality and numbers of this popular breed. After all have said what they will give, we can take a mail vote by giving each contributor one vote for every dollar paid. In this way we could decide at what show this purse would be given and how it would be awarded. I will give \$10.00 towards said purse, regardless of time and place of said show, and amount raised for same. Am satisfied that our various Southern papers will allow us a little space from time to time to work this up. So let's hear from all the Columbian Wyandotte breeders who have the good of the breed at heart.—J. M. STURTEVANT, Kushla, Ala.

To carry out the purpose of the above letter with which we heartily concur THE INDUSTRIOUS HEN has been chosen and has agreed to take charge of the fund collected till the donors shall have decided at which show it will be awarded. Let all lovers of the breed in the South join hands and help get up a purse which will bring out the Columbians and show poultrymen the good results a united effort can produce. All who wish to contribute may send the amount to THE INDUSTRIOUS HEN Co., Knoxville, Tenn., and it will be placed to their credit. The list just started stands:

Sturtevant Bros., Kushla, Ala. \$10.00
T. Reid Parrish, Nashville, Tenn. 10.00
R. S. Bollinger, Columbia, S. C. 2.50

Caponizing.

The raising of Capons is one of the few farm industries that has been neglected. Did you ever hear of a slump in the Capon market? Never. The demand is greater than the supply. The Capon is "easy to make," "easy to feed" and "easy to sell"—a pretty good com-



bination. Suppose you stop work just long enough to send to George P. Pilling & Son Co., Arch St., Philadelphia, Pa., asking them to send you their book on making capons. Your next step will be to order the caponizing Set that pleases you best, they are all "Easy to Use." Learn to make Capons and put money in your purse. Do it today. Study up the method on a dead chicken some rainy day and become a caponizing expert. Others do it and you can do it.

INDIAN RUNNER DUCKS

LEGHORNS OF DUCK FAMILY.

Eggs, \$1.50 for 12. \$2.75 for 24.
\$5.00 for 50.

PAUL D. TRIGG, - GLASGOW, KY.

TAYLOR'S JAMESTOWN WINNERS

In White Muscovy Ducks and White Holland Turkeys. Duck Eggs at 20 cents each from pens that won at Jamestown, Virginia State Fair and Virginia Poultry Association. Stock of eggs in White Holland Turkeys all sold. Booking orders for young Turkeys now. Write for prices.

R. RANDOLPH TAYLOR, R. 2, Beaver Dam, Va.

DATE YOUR CORRESPONDENCE

Nickel Plated Rubber Dater with Black Enameled Handle. Has the years, days, and months. The years extend for a period of 8 years. Price 25 cents each.

KNOXVILLE STAMP CO., KNOXVILLE, TENN

100 PRINTED ENVELOPES 15c
With Your Return
name, address and business neatly printed. If you send at the same time 25 cents for one year's subscription to THE RURAL GEORGIAN, The Great Department Monthly. Devoted to ever interest of the rural family
—Money returned if not pleased—

The Rural Georgian, Gainesville, Ga.

FOR THE BEST OBTAINABLE IN
B. P. Rocks, W. P. Rocks, Buff
Orpingtons, Lakenvelder's Silver
Laced Wyandottes and Anconas
Consult

BLUE BLOOD POULTRY FARM,
BOX 1, CHARLOTTE, N. C.



Poultry Fence

Close enough for Chickens—heavy and strong enough for Cattle. Costs less than netting. We pay the freight. Catalog free.

The Brown Fence & Wire Co.
Cleveland, Ohio



Moulting time makes a shrinkage in poultry profits unless your birds are kept in the pink of condition. Don't forget

GERMOZONE AND LEE'S LICE KILLER

the old reliable remedies for Roup, Bowel Complaint, Cholera, and similar troubles, and the great vermin destroyer. Satisfaction guaranteed.
GEO. H. LEE CO., Omaha, Neb.

Attention Poultry Raisers

If you desire to reach a good class of buyers for your improved chickens, fowls and pet stock, you cannot find a better medium than "The Dixie Home," Birmingham, Ala. Advertising rates 20 cents per line, six words to the line. Give us a trial advertisement.

WANTED INFORMATION REGARDING A GOOD FARM

for sale. Not particular about location. Wish to hear from Owner only who will sell direct to buyer. Give price, description and state when possession can be had. Address,
L. DARBYSHIRE, Box 198, Rochester, N. Y.



2000 Early Hen
Hatched Reds,
1000 Yearlings for
Sale at Hard Time
Prices.

De Graff's Book on
Reds is the Finest
Poultry Book Ever
Published.

CIRCULAR FREE.

De GRAFF POULTRY FARM, Amsterdam, N. Y.

The Webster Parish Fair.

Will be held at Minden, La., Oct. 20 to 28, 1908. This fair has always been eminently successful, and this, the third one, will be the greatest one ever held. Louisiana is fast becoming a great poultry state, and very high scoring birds will be on exhibition in the poultry department at Minden. W. W. Reeder, manager of this department is bending every energy to make it a success and he will succeed.

Drinking Water at the State Fair.

Arrangements have been made to provide abundant and pure drinking water for the Tennessee State Fair this year. The water, which will be piped to numerous drinking fountains on various parts of the grounds will pass through a coil in a big spring near the entrance to the grounds. This will keep the water at a temperature of about sixty degrees—just right for drinking purposes. This will be a big improvement over the arrangements of the first two years of the fair, and will not be surpassed by the systems in use at any of the great fairs of the country.

Tazewell County Fair Association.

Tazewell, Va., will hold its fifth annual fair Sept. 15 to 17, and is looked upon as the biggest event of the season. There will be special attractions every day and it is claimed the greatest show of high bred poultry in the Southwest. R. L. Simmons is judge. The Virginia-Carolina Circuit offers \$18,800 state and \$24,000 in purse races at the following places and dates: Galax, Va., Sept. 2-5; Radford, Va., Sept. 9-11; Tazewell, Va., Sept. 15-17; Roanoke, Va., Sept. 22-25; Lynchburg, Va., Sept. 29 to Oct. 2; Richmond, Va., Oct. 5-10; Raleigh, N. C., Oct. 12-16; Charlotte, N. C., Oct. 20-23; Columbia, S. C., Oct. 27-30.

Poultry at the Polk County, Arkansas Fair.

The writer had the pleasure of placing the awards on the poultry shown at the Polk County Agricultural Fair at Mena, Aug. 18-21, and we were agreeably surprised at the quality of birds shown and the general interest manifested. Polk County has a sufficient number of fanciers to maintain an active and up-to-date poultry association and they ought, by all means to get together and organize. We were in hopes that we could help them get started along this line during the fair, but there were so many other things of interest on hand that it was impossible to get the breeders together long enough to effect an organization. We are in hopes, however, that enough interest has been aroused, so that the leading fanciers in and about Mena will see their way clear to organize later and push the poultry business to the front, as it should be. Here's success to you.—G. C. WATKINS.

State Fair Prizes.

The prizes for the great Tennessee State Fair Poultry Show will be on single birds \$2 for first, \$1 for second; on pens, \$3 for first, \$2 for second. The following are some of the special prizes:

\$25 in gold by the Nashville Banner for best pen of birds, any breed, competition limited to birds owned in Tennessee, Alabama or Kentucky.

\$20.00 in gold for largest and best display of poultry by a Tennessee breeder; \$10.00 in gold for second, \$5.00 in gold for third.

\$25.00 Silver Cup for best pen of B. P. Rocks.

\$25.00 Silver Cup by Southern Poultry Magazine for largest and best display of any one variety.

\$10.00 Silver Cup by Industrious Hen, Knoxville, for highest scoring pen of birds in the show.

\$10.00 in gold for largest and best display of pigeons and pet stock by a Tennessee breeder. \$5.00 in gold for second; \$2.00 in cash for third.

\$10.00 in gold for largest and best display of turkeys; \$5.00 in gold for second; \$3.00 in cash for third.

\$5 for best pen each Barred Rocks, White Rocks, Buff Orpingtons, Silver Wyandottes, Golden Wyandottes, White Wyandottes, S. C. Rhode Island Reds, R. C. Rhode Island Reds, Brown Leghorns, White Leghorns, Buff Leghorns, Black Minorcas.

Silver cup for best ten S. C. R. I. Red Pullets, offered by H. B. Lansden, of Manchester, Tenn. Tennessee breeders only.

\$25.00 silver cup, offered by the Acme Poultry Supply Co., Nashville, Tenn., for the best pen in the show. Any variety. There must be three or more pens to compete, which must be owned by different exhibitors. Birds to compete for this valuable trophy must have been fed on Acme Poultry Feed at least thirty days before the show.

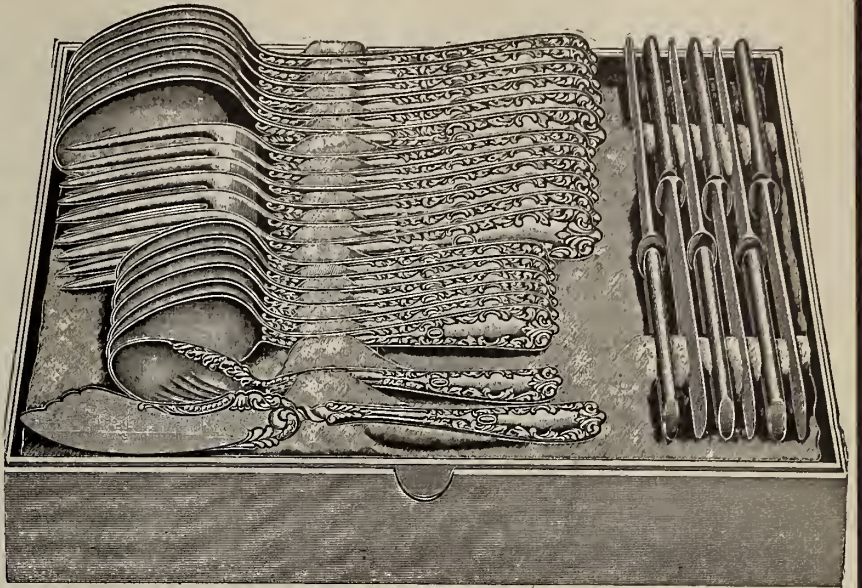
OUR SILVERWARE BARGAINS

THIS SET
of 26 PIECES,
delivered to
your nearest
express office,
weight five
pounds, for

\$5.65;

or will be sent
for a club of 16
subscribers to
THE HEN.

This includes
express
charges.



A set of 12 pieces—6 Knives and 6 Forks—of Solid Silver-Metal, same pattern as above, delivered to your nearest express office, prepaid, for \$3.25; or they will be sent FREE for a club of twelve subscribers to THE HEN, at 50c each.

A set of 6 Rogers' Teaspoons and one year's subscription to THE HEN will cost you \$1.00. Send a club of three subscribers, at 50c each, and we will send you a set of these spoons FREE. Fully illustrated in HEN of August, 1908. Send cash with order to

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

THE INDUSTRIOUS HEN BRIDAL DINNER SET

FORTY-NINE PIECES IN ALL

EACH PIECE GUARANTEED



The set is composed of the following pieces: 1 Baker, 6 Fruit Plates, 6 Cups, 6 Saucers, 6 Soup Plates, 1 Sugar Bowl, 1 Covered Dish, 1 Cream Pitcher, 6 Lunch Plates, 1 Platter, 6 Individual Butters, 6 Dinner Plates.

This beautiful Limoges China, for beauty, durability, exquisite workmanship and finish, cannot be surpassed. Each piece is embossed and decorated with gold, with a vine of wild roses in green and pink. We guarantee it to please or money back. See full detail in August, 1908, HEN.

How to Secure one of these Handsomely Decorated Limoges China Dinner Sets:

We will send one of these sets, freight prepaid, to any address for a club of 15 subscribers to THE INDUSTRIOUS HEN, at 50c each, (or we will send this set to any one in the United States, freight prepaid, for \$6.50.)

Send for free sample copies and blank receipt book to

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

Notice to Poultry Men!

Those interested in marketing "strictly fresh eggs" or in shipping "day-old chicks" will find it to their advantage to communicate with Robt. S. Porter, Mgr. Poultry Supply Dept. C. W. Henderson Co., Knoxville, Tenn. Please state what amount of business you expect to do and also when you will get started.

The Dixie Home, Birmingham, Ala., ranks among the best family magazines in the South. It circulates among that class living in small country towns, villages and rural districts. It is full of instructive reading matter, and is beautifully illustrated. Having the circulation among the class it reaches makes it a very fine advertising medium.

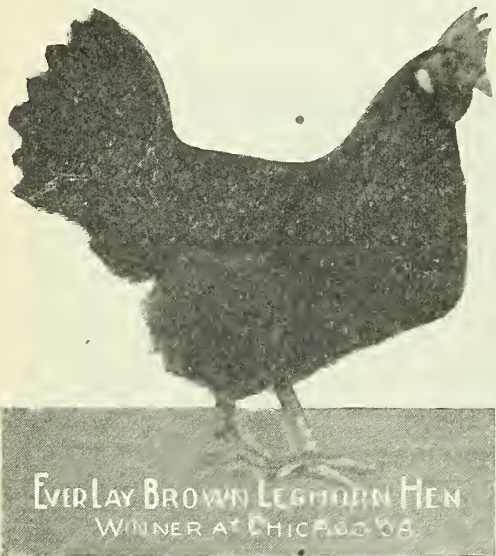
S. C. Minorcas.

One of the progressive South Carolina breeders is R. G. McCants, who lives at Ninety-Six, S. C. He writes that he has a fine line of B. P. Rocks and S. C. B. Minorcas. Mr. McCants has been an advertiser in the *INDUSTRIOUS HEN* for many months and he boasts that he has some good birds of right quality and we have no doubt that our readers will receive the proper attention from him.

The East Tennessee Poultry Association Show at Knoxville, Tenn., December 9-12, 1908.

The East Tennessee Poultry Association with headquarters at Knoxville, Tenn., has its committees now actively engaged laying plans for its fourth annual exhibition, which comes off Dec. 9-12, 1908, and promises to be one of the greatest and most important shows in the South this season. Judges Marshall and Hutchinson will place the ribbons.

Those who have visited the poultry shows in Knoxville have been greatly surprised at the very large, enthusiastic crowds in daily attendance. It takes high quality to win blue ribbons in Knoxville; it has been called "the Madison Square Garden Show" of the South. For full particulars address Jno. E. Jennings, secretary and treasurer, Knoxville, Tenn.



EVERLAY BROWN LEGHORN HEN
WINNER AT CHICAGO '08

This is one of the best hackled females ever produced, according to Judge Pierce, and the well known Brown Leghorn breeders, Rickoff and Stuckmyers, of Indianapolis. First at Elwood, '07 and '08. Montpieler, '08. Second at Chicago, '08. Owned by H. V. Tormohlen, Amboy, Ind.

East Tennessee Poultry Association.

Neither time, money nor pains will be spared to make the Fourth Annual Show of the East Tennessee Poultry Association exceed that of all other shows given by the association since it was organized. East Tennessee is the home of poultry, but at the annual show birds are shipped from six different states to the Knoxville show or the East Tennessee Poultry Association Show. If the show was limited to only the members of the Association it would compare with all shows of any city.

In the past shows given by the association every breeder showing has declared himself that he will return to Knoxville next year on the grounds, first, their birds are well cared for and they get a square deal and that is all they want. The show will be held in the Armory Hall, which is over one of the finest markets in the South. While in the show last year there were many fancy birds, yet the breeder now is no longer depending on fancy fowls but for a general utility bird, some that lay and get some size for the market. But the fancy birds will be there also. The show is open to the world and East Tennessee breeders invite competition from all parts of the globe as they claim East Tennessee cannot be excelled for its poultry as demonstrated in the shipment from East Tennessee, President Thos. E. McLean of the Association with the Execu-

tive Committee will in the next few days begin to push and advertise the show for this year. The catalog will be issued by Nov. 1 and the show will be held Dec. 9, 10, 11, 12.

Franklin County Fair,

Held at Winchester Tenn., was a great big success, judging from the report in the *Truth*. More than a page is devoted to a report of the fair by this excellent paper. Of the Poultry Department it says: "A fine display of chickens, ducks, geese and fowls of all kinds and even a grand display of dogs! Chickens were there from all sections and were all sizes, from a Bantam to a great big Plymouth Rock, all seeming to enjoy their 'trip and vacation' to the Fair. There is money in the Poultry business and Franklin County seems to be finding it out."

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators Soline Oil

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland, Md. Address

TENNESSEE OIL COMPANY,
K. & O. Ry. Knoxville, Tenn

SUNFLOWER POULTRY YARDS

Summer Sale of

BARRED PLYMOUTH ROCKS

Prices one-third off. Standard bred and reared under most favorable conditions.

Mrs. M. E. Almy, Altamont, Ky.

WALKER'S**BARRED ROCKS & WHITE WYANDOTTES****WIN WHEREVER SHOWN**

Winning first honors at Knoxville, Sweetwater and Madisonville, Tenn.

Our birds are farm-raised. Send us your order and start right

STOCK AND EGGS FOR SALE.

WALKER BROS., R. 1, MADISONVILLE, TENN.

S. C. RHODE ISLAND REDS.

Special sale of this season's breeders, at \$2 and \$3 each. Worth double the money. 100 yearling hens going at these prices. Also 500 choice early hatched pullets and cockerels, that will be in prime condition for the early fall shows. Write us your wants and ask for free illustrated booklet.

G. FRED WARD, Prop., Lakemont Farms, Winter Park, Fla.

CARTER

Wins Nine Silver Cups.

309 Regular and Specials.

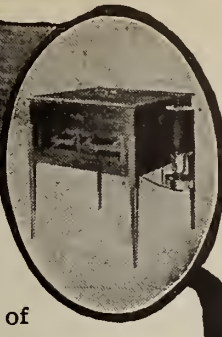
\$225.00 IN CASH

At World's Fair, St. Louis, Mo., Atlanta, Ga., Charlotte, N. C., Huntsville, Ala., Charleston, S. C., Raleigh, N. C., Macon, Ga., Warsaw, Ky., Nashville, Tenn., Cincinnati, O., Knoxville, Tenn., Allentown, Pa., Cleveland, O., Asheville, N. C.

SINGLE COMB BROWN LEGHORNS.

E. E. CARTER, - Knoxville, Tenn.

CIRCULARS FREE.



Improved Technic

Improvements on Model Incubators for Season of 1908-9 are most valuable.

FIREPROOF HEATING APPLIANCE

The "Model Patent Fusible Link" puts the flame out should it smoke. With this device it is impossible for the lamp to explode. It makes the Model Heater safer than a house lamp. Furnished free this season with Model Incubators. Links sold separately to old customers.

STOP FILLING LAMPS

The "Model Patent Automatic Oil Supply" saves time. Is quickly adjusted. Nothing complicated about it. Draws automatically from distant can or barrel. Especially adapted to the Model, but fits some other makes. Sold separately. You can't afford to be without it.

The "Model Patent Steam Heating System" for Model Incubators is just what you want for large hatcheries,—12 machines up to any number. Saves labor and money in fuel. A splendid improvement.

ANOTHER WONDERFUL DEVICE

To be announced December first. Applied to all Modern Incubators. Get in line for the Model. It leads the world. Send for descriptive literature.

Chas. A. Cyphers, President, **MODEL INCUBATOR CO.,** 332 Henry St., Buffalo, N. Y.

C. W. HENDERSON & CO., Model Incubators, Knoxville, Tenn.

Extra Special Offer!

All for 75c

THE INDUSTRIOUS HEN
UP-TO-DATE FARMING
Membership in Souvenir Post Card Exchange
Twenty Souvenir Post Cards

By special arrangement we are giving a one-year's subscription to THE INDUSTRIOUS HEN and a year's subscription to UP-TO-DATE FARMING for 75 cents.

AS A SPECIAL INDUCEMENT for you to enjoy this special clubbing rate, we will send 20 BEAUTIFUL POST CARDS—American Girl Series—to each person who takes advantage of this special price WITHIN THE NEXT TWO WEEKS, and also INCLUDE A FREE MEMBERSHIP to the great Up-to-Date Souvenir Post Card Exchange. Your membership to the Exchange entitles you to have your name printed on the list of collectors who wish to exchange Souvenir Post Cards. THIS LIST IS SENT TO COLLECTORS ALL OVER THE UNITED STATES. This is the quickest, cheapest and best way of getting a large collection of Souvenir Post Cards.

UP-TO-DATE FARMING is devoted largely to the upbuilding of the country communities. It has interesting editorials written by the greatest workers of the day. It has a strong household department, which will be of particular interest to the women because of its cooking receipts, sewing circles, patterns, and good live stories. Its Livestock, Grain, Horticultural and other departments are of particular interest to the men.

All of these good things: TWO PAPERS FOR ONE YEAR, 20 SOUVENIR POST CARDS, and a MEMBERSHIP TO THE POST CARD EXCHANGE—ALL FOR 75c. Mail your new or renewal subscription today.

The INDUSTRIOUS HEN CO. KNOXVILLE TENNESSEE

The KNOXVILLE STORAGE CO.
SOLE AGENTS, 123 Jackson Avenue, KNOXVILLE, TENN.
CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS.

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy

What Willie Saw.

When Willie saw a peacock for the first time he said to his mother: "Oh, mamma, you should have seen it! Electric lights all over the ferns and a turkey underneath!"—September Delineator.

A Handsome Catalogue

Of the Arkansas State Fair, to be held at Hot Springs, Oct. 12 to 17, has been received. Considerable space has been devoted to poultry, which is under the supervision of G. C. Watkins and W. E. Hicks. C. Floyd Huff is the director with H. W. Blanks, judge. The catalogue cover shows an odd design of live stock in the center of which is a huge "Arkansas Black" apple, the fruit that has made Arkansas famous.

Johnson City Changes Dates.

On account of the Methodist Conference with more than 300 delegates, meeting in Johnson City, Oct. 6 to 9, the Washington County Fair Association's first annual exhibit has been postponed until Oct. 20 to 29, 1908. Secretary J. O. Lewis says: "We have one of the most prosperous counties in the state, and growing fast. They are taking hold of any encouragement we offer, and are ready and willing to take the initiative in anything that is logical and good." This is the right spirit and the kind of encouragement given to public enterprises that has placed Washington County in the front rank in East Tennessee. THE HEN is glad to recognize such conditions and will render any service necessary to the ultimate success of any public undertaking.

Washington County Fair.

The Washington County Fair Association was organized July 29, under the auspices and management of the Commercial Club of Johnson City, for the purpose of holding an industrial, agricultural and poultry exhibit on Oct. 20 to 29 next, in Johnson City. For years this section has been without a fair or exhibit of any kind, and but little done to stimulate the growth of farm products; and, as the country surrounding Johnson City has grown so rapidly during the past few years, the building of a National Home for Disabled Soldiers, with now 1,500 inmates, and the building of a new railroad through this section, the demand has far exceeded the supply for several years. We are now going to try and preserve this to ourselves, and as a stimulus, we have put forth the fair and propose to make it a big success. The premium list will be large and prizes well worth competing for, and we especially solicit poultry exhibits, as the premiums for this department will be very attractive; besides offering one of the best opportunities for the sale of stock and eggs. A handsome catalog and premium list is being published and will be ready for distribution by September the first, and can be had free for the asking. Address the undersigned—Jas. O. Lewis, Secretary, Johnson City, Tenn.

Greater Nashville Pet Stock and Poultry Show.

December 8th to 12th will be lively days in Nashville. The Greater Nashville Pet Stock and Poultry Association will put on one of the greatest poultry, pet stock and dog shows ever attempted in the South. Nashville for some years has been steadily coming to the front as the greatest center in the South for the poultry show, and Dec. 8 to 12 will witness the greatest yet attained. The secretary is already in communication with a number of Eastern breeders of great reputation, and has bonafide entries from several. Breeders consider a winning at Nashville one of the greatest assets obtainable, and bend every energy to win, for competition is always hot, and it is an established fact, that a show at Nashville stands for quality. The finest exhibition of pet stock and pigeons will be directly under the supervision of one of the ablest fanciers in the country, and this department consisting of pigeons, rabbits, cats, guinea-pigs, pheasants, etc., will be the most interesting ever attempted. Special interest is being manifested in the Dog Department. It has been a number of years since Nashville has had a Dog Show, and this event will be the greatest drawing card of the exhibition. Some of the very finest pedigreed animals of the United States will be in attendance, and the classes will all be full. Let all breeders get in line, and prepare to come to Nashville in December. Nashville has her doors wide open for you and the premium list is the largest ever offered by an association with numerous silver cups, hundreds of special club ribbons and very liberal cash premiums. Send your name for premium list, then bring your birds, win the prizes and they are yours, there are no strings tied to them. FOUNT H. RION, Asst. Sec., Nashville, Tenn.

DOAK'S WHITE WYANDOTTES WON AGAIN AS USUAL.

At Nashville, Sept. 23-28, 1907: 1st Pen, 1st Cock, 1st Hen, 2d Pullet. \$25 Cash Prize—BEST PEN IN SHOW, Any Breed.
E. L. DOAK Greenwood Ave., NASHVILLE, TENN.

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is rat, lice, mite, mink, weasel, rain proof. Easily taken apart and cleaned. Use our combination Trap and Setting Nest. Our feed coop feeds three kinds of feed, is a feed saver. Try our non-freezing watering tank, egg testers, etc. All made of galvanized steel. Catalogue free. C. Hoskins & Co., 318 State St., Quincy, Ill. Dept. I. Agents wanted.

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BREEDERS OF

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SINGLE COMB WHITE ORPINGTONS
"THE BLUE RIBBON STRAIN"

The best all purpose fowl, beautiful, profitable and good mothers. We will spare a few very choice birds from each variety at right prices. Eggs from our grand matings at \$2.00, \$3.00 and \$5.00 per 15. Order direct from this or write us your wants. We give you your money's worth.

WABASH POULTRY YARDS,

Dept. B. D. A. WALKER, Gen. Mgr., ARITON, ALA.

The Southern Planter

ONE YEAR FREE

As a special inducement to old and new subscribers alike we have arranged to send *The Industrious Hen* and *The Southern Planter*, Richmond, Va., one year for 50c. We recommend *The Southern Planter* as one of the best farm publications in the South. Send to them for sample.

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THE INDUSTRIOUS HEN
Knoxville, Tenn.

Another \$25.00 Cash Special.

The Tennessee State Fair management have added to their already long list of specials, \$25.00 in cash for the best pen in the show September 21-26. Competition open to all.

Why Does a Duck?

"Now, why do the ducks go in to swim?"
Said Jonathan Quiz to old Bill Stout.
"From divers motives," said Bill to him,
"And for sun-dry reasons they all come out."
—Sept mber Lippincot's.

Jackson Poultry and Pigeon Association

Will hold their annual show December 14-19, 1908. They will place fifteen silver trophies, \$500.00 specials, besides regular cash premiums. O. L. McCord and H. H. Coburn will place poultry awards and W. A. Gibson the ribbons on Pigeons. Our large 100 page catalogue mailed after November 1st. CHAS. P. ORWICK, Sec.

Special to East Tennessee Breeders.

The Breeders of Middle Tennessee and Nashville extend to the Breeders of East Tennessee and Knoxville, a special invitation to come over and meet us at the Great Tennessee State Fair Show, September 21-26. We assure you of a hearty welcome, a big time, and the best care and attention in the world for your birds. Take a week off and come over. You will never regret it.—JNO. A. MURKIN, Sec'y Tenn. State Fair Poultry Association.

American Association of Farmers' Institute Workers.

The next annual meeting of the American Association of Farmers' Institute Workers will be held at Washington, D. C., November 16 and 17. At the same place and beginning November 17 will be held the annual meeting of the Association of American Agricultural Colleges and Experiment Stations. The Secretary of the Association of Colleges and Stations writes: "It seems impossible to secure reduced railroad rates."—JOHN HAMILTON, Farmers' Institute Specialist.

State Fair Notes.

Poultry Building State Fair cost \$25,000.00.

A \$5,000.00 White Rock hen from the west will be exhibited only at Tennessee State Fair Tri State Fair and Alabama State Fair.

Frank Langfords' \$10,000.00 Rhode Island

"Morgan's Poultry Account Book

is the best we have ever seen and can recommend it" said the Poultry Herald of St. Paul, Minn.

"Morgan's Poultry Account Book

is simple and convenient and all that is claimed for it" said the Pres. and Sec'y Western Wis. Poultry Ass'n., La Crosse, Wis.

"Morgan's Poultry Account Book

is just what all Poultry Keepers need and has my unqualified endorsement" said C. J. Crosby, Eau Claire, Wis.

"Morgan's Poultry Account Book

will be mailed to any address for \$1.00. Address

Live Agents Wanted Morgan's Poultry Accounting
at the Coming
Poultry Shows. La Crosse, Wis. Box 448.

Red Cock, winner New York, Jamestown and Fort Worth will be exhibited at State Fair.

Indications point to a heavy entry at each show, and a big string to follow the circuit.

Over 700 requests have been received for premium list and entry blanks for the Tennessee State Fair and Poultry Show to Aug. 10.

Special pens will be built the length of the building on each side 500 feet for turkeys alone—Tennessee State Fair.

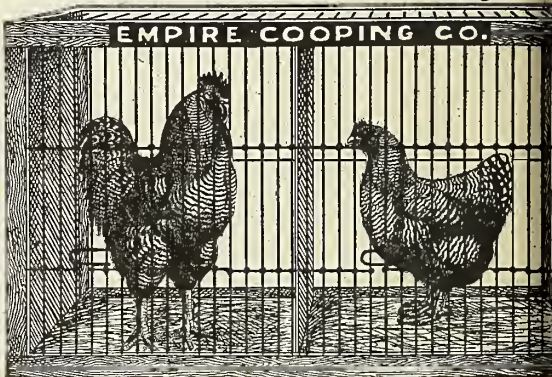
Send to-day for premium list and entry blanks of the Tennessee State Fair Poultry Show, September 21-26. The Tri-State Fair Poultry Show, Memphis, Tenn., September 28-October 7, and the Alabama State Fair Poultry Show at Birmingham, Ala., October 9-18. —JOHN A. MURKIN, Circuit Mgr., Nashville, Tenn.

CAPON TOOLS

CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

PILLING CAPONIZING SETS

Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c. Gape Worm Extractor 25c. French Killing Knife 50c. Capon Book Free.
G. P. Pilling & Son Philadelphia, Pa.



Pat'd Oct. 15, 1901.

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Write for free illustrated catalogue of sizes.

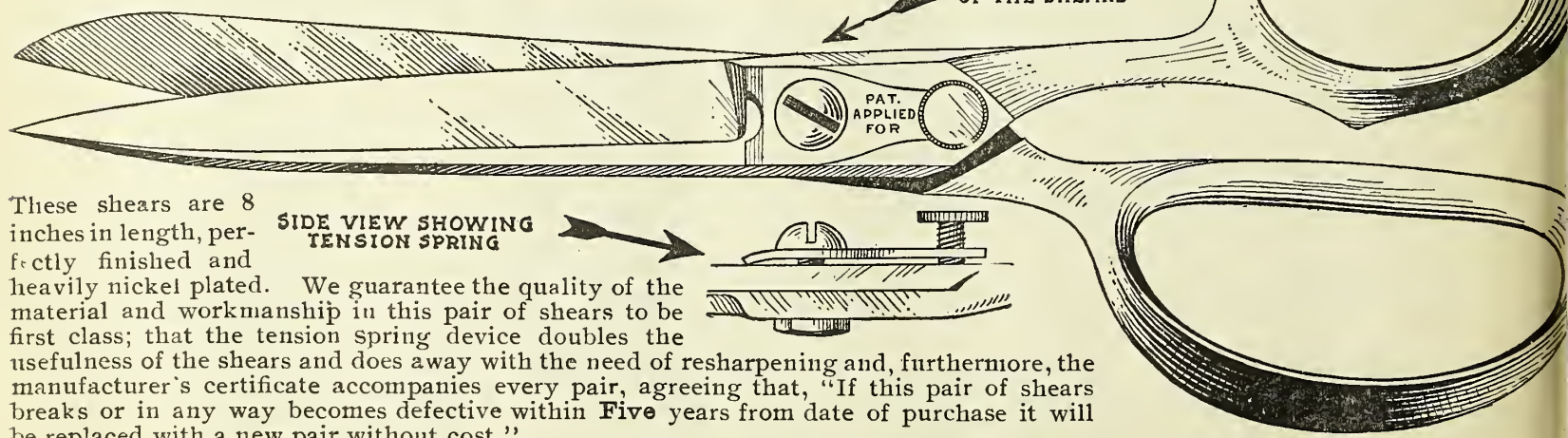
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Send 75c for one year's subscription to THE INDUSTRIOUS HEN and get a pair of shears FREE; or \$1 for two years' subscription and get a pair FREE.

THE ADJUSTABLE TENSION SPRING DOUBLES THE USEFULNESS OF THE SHEARS



These shears are 8 inches in length, perfectly finished and heavily nickel plated. We guarantee the quality of the material and workmanship in this pair of shears to be first class; that the tension spring device doubles the usefulness of the shears and does away with the need of resharpening and, furthermore, the manufacturer's certificate accompanies every pair, agreeing that, "If this pair of shears breaks or in any way becomes defective within Five years from date of purchase it will be replaced with a new pair without cost."

Send money with order to THE INDUSTRIOUS HEN CO., Knoxville, Tenn.



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Adjustable. Prices post paid, 12 for 15c., 25 for 20c., 50 for 35c., 100 for 60c.

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BUFF WYANDOTTES

Are the BEST fowl on earth. Ask me "WHY?"

At St. Louis, Nov. 1907, on three entries I won 3 ribbons. Eggs \$2.00 per 15.

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R. F. D. 3. ROCKFORD, ILL.

Buff Wyandottes

Blocky, Blue Blooded and Buff to the skin. A few fine cockerels for sale. Eggs for Hatching from Prize Matings, \$2.00 and \$3.00 for 15.

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COCKERELS AND PULLETS

now ready for the fall shows. Also yearling males and females with score card, if you desire. Write for low prices.

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EGGS FOR SALE FROM S. C. B. Rocks & S. C. B. Leghorns

I have also stock to sell of M. B. Turkeys, Pekin Ducks, Rankin strain and Brown Leghorns. The turkeys are large, well marked, bred from my 49 1-2 pound tom, are strong and hearty. Have a large range.

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BLUE BLOODED, FARM RAISED, PRIZE WINNING, MONEY MAKERS.

The fowls for eggs, for meat, for general purposes. Won in Buffs, 1st cock, 1st hen, 1st and 2nd hen. In Minorcas, 1st and 2nd hen at Meristown Show, Owen, judge. My fowls are great egg producers, lay when eggs are scarce. They are full of vigor, vitality and vim. Eggs, Orpington, \$2.50. Minorcas, \$2.00, a setting.

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Houston, Tex.; Marshall, Tex.; Charleston, S. C.; Augusta, and Atlanta, Ga.; Nashville, Tenn.; Aberdeen, Miss.; Montgomery, Mobile, and Birmingham, Ala.

IN THE HANDS OF MY CUSTOMERS:—Nashville, Tenn.; Dallas, and Fort Worth, Tex.; Augusta and Atlanta, Ga.; Greensboro, N. C., and other shows.

EGGS:—

Prize Mating \$5.00. Special Mating \$3.00. After May 1st, half price.

Utility, Fancy Breeders and Prize Winners for sale. Circular free. Write me your wants.

L. K. TERRELL, 304 Tusculum Ave., BIRMINGHAM, ALA.

Poultry Show Dates.

Secretaries and others interested are requested to send in show dates of county and state fairs and poultry shows for publication.

Adrian, Mich.—Dec. 8 to 14, 1908. F. V. Judson, Sec'y.

Akron, O.—Jan. 18 to 23, 1909. E. T. DeGraff, judge; J. W. Gauthier, Sec'y.

Albert Lea, Minn.—F. A. Kappel, Sec'y, Jan. 4-9, 1909. Judge: C. H. Rhodes.

Anadarko, Okla.—Jan. 12-18, 1909. John Pfaff, Sec'y. Judge: Adam Thompson.

Anderson, Ind.—Jan. 26 to 30, 1909; N. M. McCullough, Sec'y.

Asheville, N. C.—Dec. 1-4, 1908. Mrs. C. B. Campbell, Sec'y.; F. J. Marshall, Judge.

Athens, O.—Jan. 19 to 23, 1909. A. B. Shaner, judge; W. C. Hoodlet, Sec'y.

Auburn, N. Y.—J. H. Scott, Sec'y, Dec. 14-19, 1908.

Augusta, Ga.—Nov. 2 to 7, 1908. Judges, T. Reid Parish, C. W. Fowler, J. S. Jeffrey; comparison. W. A. Herman, Sec'y.

Baltimore, Md.—Jan. 5 to 9, 1909. G. O. Brown, Supt. Poultry; Dr. Chas. H. A. Meyer, Supt. Pigeons.

Belvidere, Ill.—E. L. Robertson, Sec'y, Jan. 25-30, 1909. Judge, Geo. D. Holden.

Benton Harbor, Mich.—Jan. 7-10, 1909. S. B. Lane, judge; W. C. Coffman, R. 6, Sec'y.

Bradford, Ill.—Dec., 1908. B. D. Phinnis, Sec'y.

Boston, Mass.—W. B. Atherton, Sec'y, 30 Broad St., Jan. 12-16, 1909.

Bowling Green, Ky.—Dec. 1 to 5; Ben S. Myers, judge; J. T. Watkins, Sec'y.

Brantford, Ontario—Jas. L. McCormack, Sec'y, 33 Murry St., Jan. 3-7, 1909.

Brazil, Ind.—Jan. 11 to 15, 1909. Ben S. Myres, judge; J. C. Macdonald, Sec'y.

Bristol, Va.—Tenn.—Dec. 16-19, 1908. J. H. Drevenstedt, Judge; W. H. Cochrane, Sec'y.

Buffalo, N. Y.—G. J. Fellner, Sec'y, 37 Condon Avenue, Feb. 1-6, 1909. Judges: W. F. Brace, H. P. Schwab, S. Butterfield.

Burk's Garden, Va.—Sept. 15, 16, 17, 1908. A. S. Greever, Washington, D. C. Calvin Hicks, Sec'y, Rockville, Md., Jan. 25-29, 1909.

Canonsburg, Penn.—Geo. C. McPeake, Sec'y, Jan. 4-9, 1909. Judge: A. F. Kummer.

Cambridge, Ohio—James Cook Sarchet, Sec'y, Jan. 27-30, 1909. Judge: Chas. McClave.

Carey, O.—Dec. 8 to 12, 1908. Ira Kellar, judge; Ed. Campbell, Jr., Sec'y.

Cedar Rapids, Iowa—O. W. Ilten, Sec'y, Jan. 25-30, 1909. Judges: Russell and Tucker.

Centralia, Mo.—Feb. 1st to 5th. B. F. Dinwiddie, judge; D. M. Jennings, Sec'y.

Charleston, S. C.—Dec. 8 to 11, 1908. Geo. O. Brown, judge; P. A. Robertson, Sec'y.

Charlotte, N. C.—Jan. 16 to 20, 1909; R. L. Simmons and J. F. Jeffrey, judges; E. G. Wardin, Sec'y-Treas.

Cincinnati, O.—Jan. 12 to 16, 1909. S. T. Campbell, judge; Julius Freideborn, Sec'y.

Clarksville, Tenn.—Dec. 15 to 18, 1908. J. J. Naive, Sec'y-Treas.

Clarkston, Tenn.—Feb. 2-6, 1909. W. E. Clark, Sec'y. Judge: W. C. Denny.

Cleburne, Texas.—Nov. 18 to 20, 1908. R. A. Davis, judge; R. L. Payne, Sec'y.

Cleveland, Ohio—Jan. 25-30, 1909. The Cleveland Fanciers' Club Co., Central Armory Hall. J. T. Conkey, Sec'y., 2337 E. 4th St. Cleveland, Ohio.

Clinton, Iowa—Nov. 24 to 28 1908; F. J. Marshall, Judge; K. L. Johnstone, Sec'y.

Coffee County—Nov. 5 to 7, 1908. H. B. Lansden, Pres.; J. H. Ashley, Secretary; Manchester, Tenn.

Coldwater, Mich.—A. J. Skinner, Sec'y, Jan. 5-8, 1909. Judges: Frank Heck and J. W. Mulinix.

Columbia, Mo.—Jan. 12th to 16th. E. C. Branch, judge, B. F. Dinwiddie, Sec'y.

Columbus, O.—State Poultry Association, Feb. 4 to 9, 1909. G. R. Haswell, Temp. Sec'y. Circleville, O.

Columbia, S. C.—Oct. 26 to 30, 1908; E. J. Watson, Sec'y.

Dallas, Texas—Oct. 17 to Nov. 1, 1908; judges, Hutchinson and Savage; C. P. Van Winkle, Supt.; Sidney Smith, Sec'y.

Dallas, Tex.—Jan. 5 to 8, 1909; C. P. Van Winkle, Sec'y, box 1074, Dallas, Tex.

Dallastown, Pa.—Nov. 23 to 28, 1908; H. A. Emmel, judge; Jacob Eberly, Sec'y.

Danville, Ill.—C. S. Johnson, Sec'y, Dec. 18, Jan. 2, 1909. Judge: Geo. D. Holden.

Decatur, Ill.—Chas. W. Keyes, Sec'y, care of Bradley Bros., Jan. 11-16, 1909. Judge: Heimlich.

Decatur, Ind.—Jan. 6 to 9, 1909. S. T. Campbell, judge; Chas. E. Madgley, Sec'y.

Dixon, Ill.—Jan. 25 to 30, 1909. Calvin Ott, judge; A. G. Hill, Sec'y.

Dodge City, Kansas—Dec. 9 to 12, 1908. K. C. Beck, Judge; F. A. Etrick, Sec'y., Dodge City, Kan.

Doros, Iowa—Jan. 19 to 30, 1909.

Dover, N. J.—W. H. Bidgood, Sec'y, Nov. 23-28. Judges: Drevenstedt and W. J. Stanton.

Dows, Ia.—Jan. 19-22; D. E. Hale, judge; J. L. Lee, Sec'y.

West Haven, Conn.—Nov. 25 to 27, 1908; F. J. Reveley, Sec'y.

Elgin, Ill.—W. W. Britton, Sec'y, Dec. 28, 1908, Jan. 2, 1909. Judges: McClave and Thos. S. Falkner.

Elwood, Ind.—Dec. 22 to 26, 1908. S. T. Campbell, judge; C. R. Wilson, Sec'y.

Enid, Okla.—J. A. Taggart, Sec'y, Waukomis, Jan. 4-9, 1909. Judge: H. B. Savage.

Evans City, Pa.—Jan. 12 to 16, 1909. H. A. Eumel, judge; C. Fred Shafter, Sec'y.

Fairmount, W. Va.—Dec. 8 to 11, 1908. S. T. Campbell, judge; C. D. Conaway, Sec'y.

Findlay, Ohio—E. K. Smith, Sec'y, Dec. 15-19, 1908. Judges: Campbell and Long.

Franklin, Ind.—Jan. 18 to 23, 1909.

Gratiot County Poultry and Pet Stock Association, Ithaca, Mich., Dec. 15 to 18 inclusive. Sharp Butterfield, judge; E. J. McCall, Ithaca, Mich., Secretary.

Greenfield, Ill.—Nov. 17 to 22. S. T. Campbell, judge; Miss Carrie Allen, Sec'y.

Greenfield, Tenn., January 19-22, 1909; F. J. Marshall, judge; R. E. Perry, secretary.

Greenville, S. C.—Jan. 12 to 15, 1909. J. H. Drevenstedt, Judge; W. P. Stewart, Sec'y.

Guthrie, Okla.—E. B. Henry, Sec'y, Jan. 11-16, 1909. Judge: H. B. Savage.

Hagerstown, Md.—Oct. 13-16, 1908. W. Frank Spahr, Sec'y. Judges: Chas. McClave, Geo. O. Brown, J. H. Drevenstedt, Eugene Sites.

Hamilton, O.—Dec. 1 to 6, 1908; J. A. Horning, judge; W. C. McKemy, Sec'y.

Hamilton, Ontario—R. J. Weston, Sec'y 327 Queen St. S., Nov. 9-13, 1908.

Hartville, O.—Dec. 30 to 31, 1908, Jan. 1 to 2, 1909; Wick Hathaway, judge; R. J. Pilgrim, Sec'y.

Hillsboro, O.—Oct. 12 to 14, 1908. Comparison. Wade Turner, Sec'y Poultry Dept.

Herndon, Va., Jan. 13-15, 1909; W. Thos. Whitman, judge; A. H. Kirk, Sec'y.

Honolulu, Hawaii—J. J. Greene, Sec'y, Box 587.

Hot Springs, Ark.—Oct. 12 to 17, 1908; G. C. Watkins, Supt., W. H. Blanks, judge; W. E. Hicks, De Queen, Asst. Supt.

Houston, Tex.—Robert Black, Sec'y.

Huntington, W. Va.—Dec. 30 to Jan. 2; judge, T. M. Campbell, Chas. Holtzworth, Sec'y., Earl C. Moore, Supt.; Wm. J. Howell, Show Sec'y.

Indianapolis, Ind.—Feb. 1 to 5, 1909.

Jackson, Mich.—Chas. P. Orwick, Sec'y, Dec. 14-19, 1908. Judge: O. L. McCord.

Jeanerette, La.—Sept. 9 to 13, 1908. L. M. Grevenberg, Sec'y.; T. L. Bayne, judge.

Kansas City, Mo.—Jan. 18 to 23, 1909.

Knoxville, Tenn.—Dec. 9 to 12, 1908; Hutchinson and Marshall, judges; John E. Jennings, Sec'y.

LaGrange, Ind.—G. A. Gage, Sec'y, R. F. D. no. 6, Jan. 4-8, 1909. Judge: McClave.

Lansing, Mich.—J. A. Turner, Sec'y, Jan. 2-7, 1909. Judge: Jas. A. Tucker.

Lebanon, Ky.—Dec. 8 to 12, 1908. F. L. Shaw, judge; I. Lum Abell, Sec'y.

Lebanon, Tenn.—Dec. 3 to 8, 1908; H. T. Norman, Sec'y.; J. C. Vaughan, Asst. Sec'y.

Lexington, Ky.—Frank L. Smith, Sec'y, Jan. 4-8, 1909. Judge: J. H. Drevenstedt.

Lima, O.—Jan. 4 to 9, 1909.

Lincoln, Neb.—Luther P. Ludden, Sec'y, Jan. 18-23, 1909. Judges: C. H. Rhodes, F. H. Shellabarger and Adam Thompson.

Logansport, Ind.—Jan. 26th to 30th. B. F. Dinwiddie, judge; Thos. J. Flanagan, Sec'y.

Louisville, Ky.—Jan. 11 to 16, 1909; W. C. Cawthon, Sec'y.

Manchester Poultry Association—Nov. 16 to 20, 1908. Chas. M. Murphey, Sec'y; South Manchester, Conn.

McKinney, Tex.—Dec. 9 to 11, 1908; Mrs. Harry Singleton, Sec'y.

McMinnville, Tenn.—Nov. 24 to 28, 1908.

R. M. Rheams, Sec'y-Treas.

Minden, La.—Oct. 20-28, 1908; R. A. Davis, judge, W. W. Reeder, manager.

Minneapolis, Minn.—Chas. O. Johnson, Sec., 4201 Colfax Ave. North, Jan. 13-20, 1909.

Judges: Geo. D. Holden and D. E. Hale.

Mitchell, S. D.—Wm. Scallin, Sec'y, Jan. 25-31, 1909.

Monroe, La.—Dec. 9 to 12, 1908. Clarence E. Faulk, Sec'y.

Monroe, N. C.—Jan. 5, 6, 7, 8, 1909. Judges F. J. Marshall, W. S. Church; G. B. Caldwell, Sec'y.

Mobile, Ala.—Nov. 24 to 27, 1908. Loring Brown, judge (comparison); J. M. Sturtevant, Sec'y.

Kushla, Ala.

Montgomery, Ala.—Oct. 18 to 24, 1908. F. P. Chaffee, Sec'y.

Morristown, Tenn.—Sept. 23 to 25, 1908; T. L. Bayne, judge; B. Neil, Sec'y.

Mound Valley, Kans.—Jan. 6th to 9th. B. F. Dinwiddie, judge; M. C. Taylor, Sec'y.

SINGLE COMB BLACK MINORCAS**Stock for Sale****FRED E. CARTER**

1003 Irwin St. Knoxville, Tenn.

NORTON'S**S. C. R. I. REDS, W. P. ROCKS, B. P. ROCKS**

Winners wherever shown. A fine lot of high class cockerels at \$2.00, \$3.00 and \$5.00 each. Eggs from high class exhibition matings \$5.00 per 15. Eggs from pens mated for business, \$2.00. Write for circular.

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Quality Our Motto

R. I. Reds, Black Langshans, Black Orpingtons, White Wyandottes and White Plymouth Rocks, 300 Reds now ready for Fall trade. Black Orpingtons from my champion pen never beaten. Langshans, Wyandottes and White Rocks not great in number, but grand in quality.

MISS ALICE PELTON, Manager

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COCKERELS

Barred Plymouth Rocks, S. C. B. Minorcas. Quality right. Write me your wants.

HILLCREST POULTRY FARM**R. G. McCants, Prop. Ninety-Six, S. C.****Rose Comb Rhode Island Reds**

Only won 27 Ribbons and 2 Silver Cups last 3 shows. Choice breeders at Bargain Prices. Eggs half price.

HENRY T. SHANNON, Box S, Cary Station, Ill.**STANDARD-BRED POULTRY**

Reared on oceans of bluegrass and clover in the mountains of Southwestern Virginia.

Bred by the Standard;
Fed by common sense;
Yankee in quality; but
Southern in price.

STANDARD-BRED POULTRY FARMS
Burke's Garden, Va.**STURTEVANT BROS.****Columbian Wyandottes****AND****S. C. Brown Leghorns**

We have a few BREEDERS for sale
at a BARGAIN.

KUSHLA - ALABAMA.**White Hill Poultry Farm**

has her feet on top round and only keeps the Blue Ribbon Strain S. C. White Leghorns and White Fantail Pigeons. Our Leghorns are bred to lay and they always win the blue. Pullets lay at 4½ months and score 96½ points. Twenty-five yearling hens, good ones, at \$1.50 each. Pullets by the hundred cheap, and the prettiest Fantail Pigeons you ever saw, at the lowest price—white as snow.

A. J. LAWSON, Proprietor.

(Member Nat'l S. C. W. Leg. Club.)

R. No. 4, Box 2. Cleveland, Tenn.

Nashville, Tenn.—Dec. 8-12, 1908. Greater Nashville Pet Stock and Poultry Association. Benj. D. Hill, Secy.; Fount H. Rion, Asst. Sec. Judges, Thos. S. Faulkner and Chas. McClave. Newport, Tenn.—Sept. 30 to Oct. 2, 1908; J. A. Dinwiddie, judge.

New York, N. Y.—Henry V. Crawford, Sec. Montclair, N. J. Dec. 20, 1908 Jan. 2, 1909. Oakland, Cal.—C. G. Hinds, Sec'y, 538 Pacific Ave., Alameda, Dec. 7-12, 1908. Judge, M. S. Gardner.

Oklahoma City, Okla.—H. H. Hawley, Sec'y, Jan. 24-30, 1909. Judges: McCord and Fite. Oshkosh, Wis.—James F. Irvine, Sec'y, Jan. 16-22, 1909. Judges: D. E. Hale and J. A. Tucker.

Paterson, N. J., Dec. 2 to 5, 1908, O. H. Quentin, Secretary, Paterson, N. J. Parkersburg, W. Va.—Dec. 28 to 30, 1908. Peoria, Ill.—Nov. 24 to 30, 1908. Jas. A. Tucker and W. E. Stanfield, judges; Dewey A. Seeley, Sec'y.

Philadelphia, Pa.—Jan. 19-23, 1909; Leslie Jeffries, 35 N. 10th St., Secy.

Pickens, S. C., Dec. 2 to 4, 1908. Loring Brown, Judge; J. N. Hallum, Secretary, Pickens, S. C.

Pittsburg, Kan.—Dec. 16-19, 1908; R. L. Castleberry, judge; S. T. Seabaugh, Secy.

Pittsburg, Pa.—Feb. 17 to 22, 1909. Polo, Ill.—Feb. 1 to 6, 1909.

Port Huron, Mich.—Robert S. Taylor, Sec'y, Jan. 20-23, 1909. Judges: Calvin Ott, F. W. Travis, W. M. Wise.

Portland, Ore.—Jan. 13 to 19, 1909. W. C. Denny, judge; J. E. Windle, Lents, Sec'y.

Randall, Iowa, Dec. 11 to 15, 1908. D. M. Anderson, Secretary. Geo. D. Holden, Judge. Richmond, Va.—Dec. 7 to 12, 1908; R. L. Simmons, judge; W. R. Todd, Secy., 426 N. 6th St.

Rock Hill, S. C.—Jan. 12 to 15, 1909. F. J. Marshall, Judge; W. H. Brice, Secy. and Treas.

Rockford, Ind.—Jan. 11 to 16, 1909. Rockville, Md.—January 25 to 30, 1909. Calvin Hicks, Sec'y.

Saint Louis Mo.—T. W. Orcust, Sec'y, 5972a Highland Ave., Nov. 23-28, 1908. Judges D. P. Shove, T. M. Campbell, John Hettich.

Salt Lake City, Utah—C. J. Sander, Sec'y, 906 Lincoln Ave., Jan. 25-30, 1909. Judge: D. T. Heimlich.

Salem, Ind.—Will hold next show Dec. 28 to Jan. 2, 1909. F. J. Heacock, Secretary; J. C. Clipp and F. J. Fchocke, Judges.

Sand Creek, Okla.—C. L. Bickerdike, Sec'y, Dec. 9-12, 1908. Judge: C. A. Emry.

Seattle, Wash.—January 19 to 25, 1909. W. C. Denny, judge; N. Anderson, Sec'y.

Shawnee, Oklahoma—State Show, Jan. 25-30, 1909; judge, T. M. Campbell and J. W. Mulinix; Mrs. J. B. Poe, Sec., Box 41, Shawnee, Okla.

Sheridan, Ind., Dec. 28, 1908 to Jan. 2, 1909; J. T. Richardson, Secretary, Sheridan, Ind.

Slater, Mo.—T. E. Quisenberry, Sec'y, Dec. 8-12, 1908. Judges: D. T. Heimlich, C. H. Rhodes and Adam Thompson.

Springfield, O.—Jan. 18 to 23, 1909. Stillwater, Okla.—Robt. A. Lowry, Sec., Jan. 4-9, 1909. Judge: H. B. Savage.

Tacoma, Wash.—Seth W. Geer, Sec'y, Jan. 5-10, 1909. Judge: Geo. H. Northup.

Tazewell, Va.—Sept. 15, 16, 17, 1908. Dr. R. P. Copenhaver, Secy., R. L. Simmons, judge.

Toledo, Ohio—L. C. Taylor, Sec'y, Gibsonburg, Jan. 19-26, 1909. Judges: J. A. Tucker, W. E. Stanfield and J. W. Mulinix.

Troy, O.—Jan. 26 to 29, 1909. S. T. Campbell, judge; H. E. Bruce, Sec'y.

Union City, Tenn.—Jan. 12 to 15, 1909. Ike Wade, Secy.

Van Wert, O.—Dec. 30 to Jan. 2, 1908-9. S. T. Campbell, judge; R. P. Everly, Sec'y.

Victoria, B. C.—Jan. 25, 1909. W. C. Denny, judge; W. E. Nachtrieb, Sec'y.

Waldron, Ark.—J. F. Anderson, Sec., Dec. 10-11, 1908; R. A. Davis, judge.

Warsaw, Ill.—Dec. 16 to 19, 1908. Chas. V. Keeler, judge; Chas. Poor, Secy.

Wheeling, W. Va.—Jan. 18 to 23, 1909. S. T. Campbell, judge; T. S. Meek, Sec'y.

Wynnewood, Okla.—F. J. Stowe, Sec'y, Dec. 14-19, 1908.

York, Pa.—Nov. 23-28, 1908. Judges, W. Theo. Wittman, poultry; E. B. Ulrich, pigeons; L. G. Plath, pet stock. J. Warren Lovett, Secy.

Yoki, Wash.—Jan. 6 to 13, 1909. W. C. Denny, judge; L. D. Green, Sec'y.

Youngstown, Ohio—Geo. B. Miller, Sec'y, 321 Commerce St., Jan. 11-16, 1909. Judges: W. E. Stanfield and J. E. Gault.

Zanesville, O.—Jan. 20 to 23, 1909. S. T. Campbell, judge; W. E. Thomas, Sec'y.

Zion City, Ill.—Jan. 6 to 9, 1909; Frank Heck, judge; C. W. Oaks, Secy.

State Fairs.

Alabama State Fair, Birmingham, October 6 to 17; George P. Barnes, Secretary and General Manager.

Arkansas State Fair.—Hot Springs, Oct. 12 to 17, 1908. G. C. Watkins, Siloam Springs, Supt.; W. E. Hicks, DeQueen, Assistant Supt.

Central Arkansas State Fair Association.—Carlisle, Oct. 19 to 23, 1908. W. S. King, Supt., Lonoke; G. C. Watkins, judge, Siloam Springs.

Columbia, S. C., State Fair, October 26 to 30, 1908. E. J. Watson, Commissioner.

Georgia, at Atlanta, Oct. 8-24, 1908. Frank Weldon, Secy.

Mississippi State Fair, Jackson—Oct. 27 to Nov. 6, 1908. N. L. Hutchinson, poultry judge; W. C. Taylor, Supt., Jackson.

Memphis, Tenn., Tri-State Fair Association, Sept. 28 to Oct. 2, 1908. R. M. Williams, Mgr.

Muscataine, Ia.—Dec. 2-5, 1908; W. S. Russell, judge; J. A. Robbins, Secy.

North Carolina State Fair Raleigh—Oct. 12 to 17, 1908. S. L. Paterson, Commissioner.

Oklahoma City, Okla.—Oct. 1-10. H. Overholser, Secy.

Sedalia, Mo.—Oct. 3-9. John T. Stinson, Secy.

Shreveport, La., Nov. 2-7—L. N. Bruggerhoof, Secy.

Springfield, Ill.—Sept. 25-Oct. 2. Jas. K. Dickirson, Secy.

Tennessee State Fair, Nashville, Tenn., September 21 to 26. J. W. Russwurm, secretary.

Texas—Dallas, Oct. 17 to Nov. 1, 1908; C. P. Van Winkle, Supt.

Virginia, at Richmond, Oct. 5-10, 1908. G. W. Koener, Commissioner.

West Tennessee Fair, Jackson, October 7—5 days.

Louisiana Parish Fairs for 1908**FIRST CIRCUIT.**

Arcadia, Sept. 29 to Oct. 3—Bienville Parish Fair Assn., organized 1900, John A. Brewer, Pres.; W. P. Heard, Secy.

Calhoun, Sept. 16-18—North Louisiana Camp-meeting Fair Assn., organized 1892, S. P. Colvin, Pres., T. I. Watson, Secy.

Gibbsland, Oct. 6-9—Dixie Fair Assn., organized 1906, C. W. Hamner, Pres.; Glen Fleming, Secy.

Homer, La., Oct. 13-18—Claiborne Parish Fair Assn., organized 1891, R. T. McClendon, Pres., Dillard Hulse, Secy.

Leesville, Oct. 6-8—Vernon Parish Fair Assn., organized 1906, Lee McAlpin, Pres.; R. H. Bonham, Secy.

Minden, Oct. 20-23—Webster Parish Fair Assn., organized 1906, W. H. Griffith, Pres.; J. P. Kent, Secy.

Plain Dealing, Oct. 27-31—Bossier Parish Assn., N. W. Sentell, Pres.; Leon Sanders, Secy.

Ruston, Sept. 22-29—Lincoln Parish Fair Assn., organized 1905, J. W. Martin, Pres.; S. H. Barkdale, Secy.

SECOND CIRCUIT

Marksville, Oct. 20-24—Avoyelles Parish Fair Assn., organized 1905, G. W. Sentell, Pres.; O. H. Stark, Secy.

Natchitoches, Oct. 27-31—Natchitoches Parish Fair Assn., organized 1907, J. A. Prudhomme, Pres.; J. B. Tucker, Secy.

Opelousas, Oct. 13-16—St. Landry Parish Fair Assn., organized 1907, C. F. Boagni, Pres.; R. M. Little, Secy.

THIRD CIRCUIT

Abbeville, Sept. 15-19—Vermillion Parish Fair Assn., organized 1907, Jos. Ewell, Pres.; A. M. Smith, Secy.

Breaux Bridge, Oct. 20-24—St. Martin Parish Fair Assn., organized 1905, A. A. Morrow, Pres.; Vic Jaeger, Secy.

Calcasieu Parish Fair Assn. (not yet organized).

Crowley, Oct. 27-30—Acadia Parish Fair Assn., organized 1907, B. F. Foley, Pres.; J. N. Cheney, Secy.

Jeanerette, Sept. 8-12—Iberia Parish Fair Assn., C. L. Monnot, Pres.; L. A. Gravenberg, Secy.

Lafayette Parish Fair Assn. (not yet organized).

FOURTH CIRCUIT

Clinton, Oct. 22-24—East Feliciana Parish Fair Assn., organized 1887, Isaac D. Wall, Pres.; W. H. Bennett, Secy.

Covington, Oct. 7-10—St. Tammany Parish Fair Assn., organized 1908, N. S. Pearsall, Pres.; W. C. Evans, Secy.

Hammond, Oct. 14-17—Tangipahoa Fair Association, organized 1908, T. H. Anthony, Pres.; E. R. Moore, Secy.

Licensed Poultry Judges.

Below is a list of Licensed Poultry Judges of the American Poultry Association. Send \$2 and we will insert your name and address under this head for one year:

T. L. BayneRussellville, Tenn.
J. C. ClippSaltillo, Ind.
G. C. WatkinsSiloam Springs, Ark.
Chas. V. Keeler.....Winamac, Ind.
S. T. Campbell.....Mansfield, Ohio
Clarence W. King.....Romulus, N. Y.
John Dudley.....Emporia, Kansas
O. P. Greer.....Bourbon, Ind.
A. B. Shaner.....Lanark, Ill.
Phil Feil.....Canal Dover, Ohio
F. J. MarshallCollege Park, Ga.

Kentucky Fair Dates.

Monticello, September 8—4 days.
Hodgenville, September 8—3 days.
Hartford, September 9—4 days.
Sanders, September 9—4 days.
Glasgow, September 9—4 days.
Kentucky State Fair, Louisville, September 14—5 days.
Elkton, September 17—3 days.
Scottsville, September 17—3 days.
Providence, September 22—5 days.
Mayfield, September 23—4 days.
Morgantown, September 24—3 days.
Falmouth, September 30—4 days.

County and District Fairs.

Batesburg, S. C.—Tri-County Fair, Oct. 12-16. J. W. Dreher, Secy.
Charlotte, N. C.—Mecklenburg Fair. Oct. 20-24, 1908; R. L. Simmons, judge; B. S. Davis, W. B. Alexander, Supts. Poultry.
Charlotte, N. C.—Jan. 15-19, 1909; R. L. Simmons, J. S. Jeffrey, judges, E. G. Wardin, Secy.
Columbia, S. C.—South Carolina Fair. Oct. 26 to Nov. 1; R. L. Simmons, judge; John D. Watts, Supt. Poultry.
Dalton, Ga.—Whitfield County Farmers' Fair, Oct. 13-17, 1908. W. M. Sapp, Secy.
Lexington, S. C.—Oct. 20-24. C. M. Efrid, Secy.
Richmond, Va.—Virginia Poultry Association; Dec. 7-12, 1908; R. L. Simmons, judge; W. R. Todd, Secy.
Salisbury, N. C.—Yadkin Valley Fair. Oct. 20-23, 1908; R. L. Simmons, judge; W. James Secy.
Spartansburg, S. C., Fair—Nov. 6-9, 1908; R. L. Simmons, judge; Paul V. Moore, Secy.
Sumter, S. C.—Nov. 7-13. W. R. Burgess, Secy.
Winston, N. C.—Forsyth County Fair. Oct. 6-9, 1908; R. L. Simmons, judge; G. E. Webb, Secy.

Tennessee Fairs, 1908

Coal Creek, Anderson County—Sept. 16-18; W. R. Riggs.
Columbia, Maury County, Sept. 15-19; Cookeville, Putnam County—Sept. 17-19; A. P. Barnes.
H. W. Thomas.
Cumberland City, Stewart County—Sept. 9-11; W. H. Latham.
Deer Lodge, Morgan County—Sept. 24-26; Martin Gordon.
Dresden, Weakley County, Oct. 14-17; W. R. McWhorter.
Dunbar's Cave, Montgomery County—Sept. 11-12.
Huntingdon, Carroll County—Oct. 20-24; W. L. Noell.
Jackson, Madison County—Oct. 6-10; W. F. Barry.
Kingston, Roane County—Sept. 8-11; J. G. Crumbliss.
Lewisburg, Marshall County—Sept. 28-30; W. T. Cheatham.
Memphis, Shelby County—Sept. 28 to October 7; R. M. Williams.
Morristown, Hamblen County—Sept. 30 to Oct. 2; A. T. Dosser.
Murfreesboro, Rutherford County—Sept. 9-11; N. L. Clardy.
Nashville, Davidson County—Sept. 21-26; J. W. Russwurm.
Paris, Henry County—Oct. 7-10; J. M. Freeman.
Rome, Smith County—Sept. 10-12; S. M. Corley.
Union City, Obion County—Sept. 30 to Oct. 3; J. W. Woosley.
Waverly, Humphreys County—Oct. 28-31; R. D. Hart.

Announcement.

Mr. C. H. Lane, of Clarcona, Fla., has recently consolidated his R. I. Red interests with C. Fred Ward at Winter Park, Fla., the originator of the strain of birds known as "Ward's Rhode Island Reds." Both these gentlemen have been successful breeders, and by uniting their two flocks of birds will make the Lakemount Poultry Farm the largest exclusive breeders of Reds in the South.

WHITE WYANDOTTES

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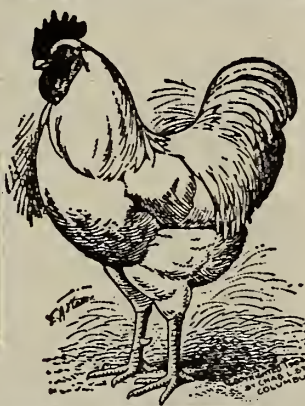
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ANTI-FAT treatment takes off fat at the rate of five pounds a week. No person is so fat but what it will reduce no matter where the excess fat is located—Bust, Hips, Stomach, Neck, Cheeks—it will quickly reduce without exercise, exertion or dieting.

ANTI-FAT Strengthens the Heart and enables you to breathe freely. It is a natural scientific obesity reducer. It has done for others what it will do for you. It is perfectly harmless being a physicians prescription. You will feel a hundred times better the first day you try this wonderful treatment. No woman can be beautiful who has overweight. No dressmaker can overcome the pudgy, puffed and awkward appearance of a fat woman.

ANTI-FAT treatment reduces most obstinate cases. You can not be healthy and happy while you suffer from an excess of fat. Fat people are barred from the general pleasure of life and many times are subject to such diseases as Asthma, Rheumatism, Kidney Trouble and Heart Disease.

THE ANTI-FAT treatment cures all these—removing the cause. Do not take our word for it. Send for **FREE TRIAL TREATMENT** to-day. It is free for the asking.

INTERNATIONAL LABORATORY, 1123 Broadway, New York City.

ECZEMA

Instant relief and positive cure. Trial treatment mailed free.

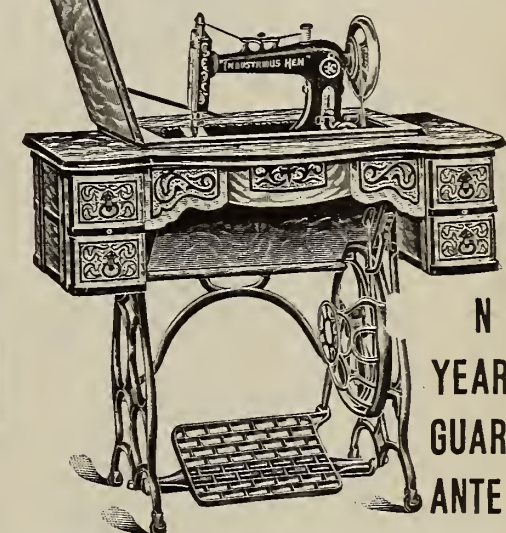
International Co., 1123 Broadway, New York

ASTHMA

Instant relief and positive cure. Trial treatment mailed free.

Toxico Laboratory, 1123 Broadway, New York

\$16 AND THE HEN PAYS THE FREIGHT



N YEAR GUARANTEE

High Grade, Ball Bearing, Noiseless, Easy Running, and the Equal of Any \$50 Machine.

Read the following Testimonials. Some of these people you know.

SEWING MACHINE TESTIMONIALS

The Industrious Hen Sewing Machine we got from you gives thorough satisfaction and we are well pleased with it.—C. W. Tindell, R. F. D. No. 1, Corryton, Tenn.

We have used *The Industrious Hen Sewing Machine* constantly two months and like it very much. It has given perfect satisfaction and seems to be exactly as represented.—Mrs. L. G. Metcalf, Fountain City, Tenn.

The Industrious Hen Sewing Machine is all right. I have been using mine for some time now and I am perfectly satisfied with it. I would not take what I gave for it. Any one wishing to buy a machine will do right if they buy an *Industrious Hen Machine*.—Miss Ida M. Sullenberger, Knoxville, Tenn.

The Industrious Hen Sewing Machine has been given severe tests by us and we write to assure you that it has met with every requirement, done its work well and the operator is well pleased.—W. L. Thompson, Heber, Ark.

The Industrious Hen Sewing Machine recently ordered from you came very promptly, and as far as tested has proven entirely satisfactory. Am recommending it to my friends who are thinking of buying a machine.—Mrs. Sam. M. Cooper, Fountain City, Tenn.

My wife has used most all the high-grade sewing machines and says *The Industrious Hen Sewing Machine* is as good as the best.—R. T. Moore, Morristown, Tenn.

I wish to say with regard to *The Industrious Hen Sewing Machine* that in my opinion it is as good as a sixty dollar machine. My wife has been using it for about two years and it has never been out of fix in the least. It is "O. K." Wm. C. Rayburn, Guntersville, Ala.

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Shorthand

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Telegraphy

Will Pay Dividends for Life if Learned

AT THE

KNOXVILLE BUSINESS COLLEGE

FALL TERM OPENS AUGUST 31.

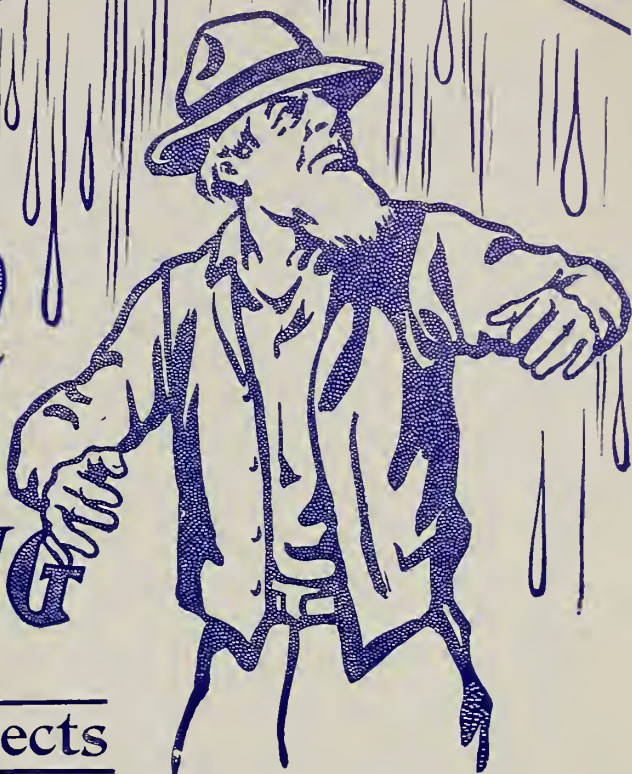
WRITE BOX 76 FOR CATALOG.

END YOUR ROOF TROUBLES WITH

Amatite ROOFING



A Roof that Really Protects



THE more carefully you study the subject of Ready Roofings the more you will be convinced of the great superiority of AMATITE.

The average buyer sends to a few advertisers for samples, picks out one that

Then again, AMATITE has wonderful durability:—

First, because it has a mineral surface. Doesn't it seem reasonable to believe that a top covering of crushed stone will resist the wear of storms better than a

costs nothing to maintain, it has remarkable durability, and its first cost is very low.

The experience of careful purchasers with AMATITE is illustrated by the following letter from Bellemeade Farm:

BELLEMEADE FARM,

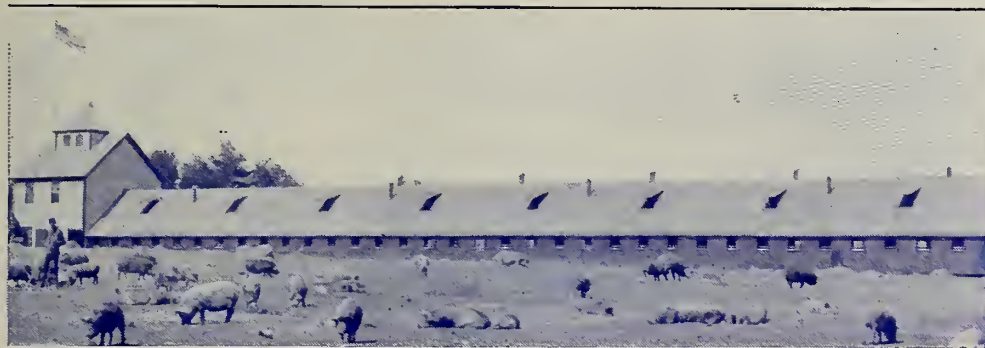
BEDFORD, MASS., March 7, 1908.

Gentlemen:—It is now nearly three years since we put your Amatite Roofing on our new 300-foot buildings. This Roofing is now in its third winter and has gone through without a leak, and there is every indication that it will be good for many years. The buildings with this light, sparkling Roofing and the red trimmings as painted, are very attractive in appearance, and altogether we are much pleased with your Amatite Roofing. We are contemplating the construction of some further buildings for our Shetland ponies, and mean to use more of your Roofing.

Yours truly, S. B. ELLIOTT, M. D.

Sample Free.

There are more arguments for AMATITE than these. Our Booklet tells



ONE OF THE BELLEMEADE FARM BUILDINGS ROOFED WITH AMATITE

looks tough, and sends in his order to the nearest dealer.

If the dealer doesn't keep the kind selected, some other kind which he has is generally bought instead.

That is a good way to get a leaky roof.

The careful buyer is more particular. He knows that any roofing will last for a little while without attention, but he wants to postpone the time and cost of renewal as long as possible.

He is figuring next year's cost as well as this year's cost. He thinks of the money he will have to spend after a few years for a new roof if this one won't last any longer. If he can get a better roofing at equal cost that will last longer, he is so much the gainer.

That kind of calculation is called thrift. The thrifty buyer sees important differences between AMATITE and the other roofings.

The other roofings either require a coating with a special liquid every year or two, or periodical painting. Right there is a future expense to be counted by the thrifty buyer. His judgment swings toward AMATITE, because it needs no painting either at the time it is laid or afterward. Once it is on you have no further bother or expense.

roofing with a smooth or unprotected surface?

Second, it contains solid layers of Coal Tar Pitch—the material which is used by the best engineers for waterproofing deep cellars, tunnels, etc. Doesn't it seem reasonable to suppose that this offers better protection against water than materials



AMATITE ON ANOTHER OF THE GREAT BELLEMEADE FARM BUILDINGS AT BEDFORD, MASS.

which are never used for such severe service?

One more argument. Weight for weight, AMATITE is the lowest in price of any mineral surfaced Ready Roofing.

These, then, are some of the reasons why thrifty people buy AMATITE—It

them. Sent with Free Sample for a postal to nearest office.

BARRETT MANUFACTURING CO., New York, Chicago, Philadelphia, Boston, St. Louis, Cleveland, Pittsburg, Cincinnati, New Orleans, Kansas City, Minneapolis, London, Eng.

What is "Soil Culture"?

What is The New System of "Scientific Agriculture"?

Nothing more than judgment and common sense shown in handling the soils of our western tracts so that the rainfall may be held for immediate absorption by the root fibers of growing crops. It's a system that every farmer—East, West, North or South—can profitably follow. It is the very essence of practical agriculture. It is a distinct revelation to Eastern and Central State farmers who have been depending on 24 to 30 inches of rainfall yearly. They wonder how our Colorado "Scientific" farmers can gather such remarkable crops on lands once called "half deserts."

Happy Prospects. Denver is rubbing its eyes, stirring itself in wonder, gazing in admiration at the great tracts bursting into green and growing crops of alfalfa, corn, wheat and fruits, etc. (*Explanation of cuts below.*) White-faced farm houses, broad-gabled barns, bowing maples, pink-blossomed orchards, dairy farms, wheat and corn fields greet gladdened eyes at every angle. Campbell's "Soil Culture" is making wealth for Colorado farmer and manufacturer, for merchant and implement maker, for mail order concern and local merchant.

"**Young Man! Go West,**" said Horace Greeley. Within a decade or two there will be little "West" left. Hundreds of thousands have heeded the call of the early fifties. Thousands now are heeding our call.

"Hurry to Colorado" Now

Buy with a few hundred dollars one of the cheap tracts now so generously offered. Start to be independent. Have a home of your own. Come! Breathe the lung-invigorating, health-giving ozone of Colorado. Enjoy the gladdening sunshine. Get more gladness out of life next to the soil. Plant trees, orchards, lawns, watch them grow as you nurse and tend them. Be free!

Start Small. You can start on a small acreage—40 to 80—at prices running from \$8.50 to \$16 per acre. We don't insist on all cash. A fifth or smaller part is sufficient if you are a settler.

Location. The Bijou Ranch is only 42 miles from Colorado Springs, 65 miles from Denver, 5 miles from two easily reached railroads—the Union Pacific and Rock Island. A new branch of the Rock Island has recently been surveyed straight thro' the property.

Crops. Alfalfa roots and grows rapidly, sucking up through its great "root pipes" the "sheet water" which underlies the Bijou Ranch. 35,000 acres overlay this great supply of moisture that comes as near as 6 feet to the surface. This is not a lake or open cave, but is the under-soaking of the melting snows from the "earth ridge" formed by the Eastern slopes of the Rockies. This water is easily, in most places, reached by the average hand pump. Corn, wheat, sugar-beets, oats, speltz, rye, potatoes, barley, fruits of all kinds, vegetables, grow readily under this system of Scientific Agriculture.

Book Free. Our new free book fresh from the press is described below and tells why you'll be glad after you "Hurry to Colorado." Send for it now.

Explanation of Cuts Below.

*Photo at left. These are stacks of Alfalfa on the farm of D. J. Shearer.
Photo at right. An enormous potato field—40 acres—harvesting over 8000 lbs. to acre—320,000 lbs. in all and sold on the ground for \$3200.00.*

"Hurry to Colorado" Now

Here's a fast passing opportunity. Here are cheap lands, fertile soil, railroads, possibilities for great increase in land values, healthful climate, schools, etc. Embrace this chance. Do it now. Get in line with hundreds of others. Send for our new book—free, yet valuable—"The New Colorado." It's a question-answerer. Shows ten-inch map of location of lands, distance from great centers, markets, shipping points, schools, churches, etc. It tells how much money you'll need to get started; how to figure profits; describes the glorious climate with its sunshiny days and life-renewing nights. This book explains what "Soil Culture" is and why it is forcing Colorado to the front as a wealth-producing state far ahead of its gold and silver mines. You learn in this book about soil, water, markets, schools, profits, crops; how to plan, what to buy, how to reach the ranch and its free board and lodging, etc., etc. Send now for it, to Dept. 37

The Farmers Land & Loan Co.,

145 LaSalle Street,

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